LG Electronics Inc.

LG

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COLOR TV
SERVICE MANUAL

CHASSIS : MP-015D

MODEL : RE/RL-39NZ40RB

CAUTION
BEFORE SERVICING THE CHASSIS,
READ THE SAFETY PRECAUTIONS IN THIS MANUAL.

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SVC. SHEET .....

SAFETY PRECAUTIONS

IMPORTANT SAFETY NOTICE

Many electrical and mechanical parts in this chassis have special safety-related characteristics. These parts are identified by ⚠ in the Schematic Diagram and Replacement Parts List.
It is essential that these special safety parts should be replaced with the same components as recommended in this manual to prevent X-RADIATION, Shock, Fire, or other Hazards.
Do not modify the original design without permission of manufacturer.

General Guidance

An **isolation Transformer should always be used** during the servicing of a receiver whose chassis is not isolated from the AC power line. Use a transformer of adequate power rating as this protects the technician from accidents resulting in personal injury from electrical shocks.

It will also protect the receiver and it's components from being damaged by accidental shorts of the circuitry that may be inadvertently introduced during the service operation.

If any fuse (or Fusible Resistor) in this TV receiver is blown, replace it with the specified.

When replacing a high wattage resistor (Oxide Metal Film Resistor, over 1W), keep the resistor 10mm away from PCB.

Keep wires away from high voltage or high temperature parts.

Due to high vacuum and large surface area of picture tube, extreme care should be used in **handling the Picture Tube**. Do not lift the Picture tube by it's Neck.

X-RAY Radiation

Warning:

The source of X-RAY RADIATION in this TV receiver is the High Voltage Section and the Picture Tube.
For continued X-RAY RADIATION protection, the replacement tube must be the same type tube as specified in the Replacement Parts List.

To determine the presence of high voltage, use an accurate high impedance HV meter.

Adjust brightness, color, contrast controls to minimum.
Measure the high voltage.
The meter reading should indicate
23.5 ¡ 1.5KV: 14-19 inch, 26 ¡ 1.5KV: 19-21 inch,
29.0 ¡ 1.5KV: 25-29 inch, 30.0 ¡ 1.5KV: 32 inch
If the meter indication is out of tolerance, immediate service and correction is required to prevent the possibility of premature component failure.

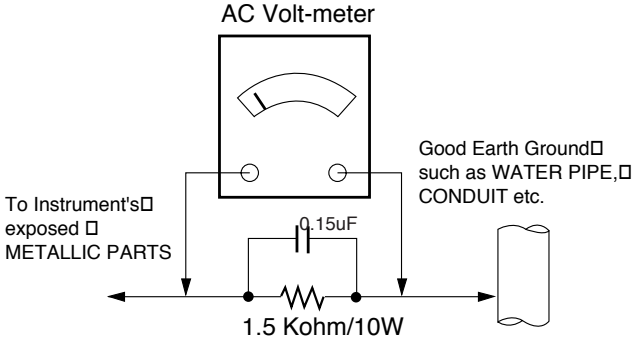
Before returning the receiver to the customer,

always perform an **AC leakage current check** on the exposed metallic parts of the cabinet, such as antennas, terminals, etc., to be sure the set is safe to operate without damage of electrical shock.

Leakage Current Cold Check(Antenna Cold Check)
With the instrument AC plug removed from AC source, connect an electrical jumper across the two AC plug prongs. Place the AC switch in the on position, connect one lead of ohm-meter to the AC plug prongs tied together and touch other ohm-meter lead in turn to each exposed metallic parts such as antenna terminals, phone jacks, etc.
If the exposed metallic part has a return path to the chassis, the measured resistance should be between 1MΩ and 5.2MΩ.
When the exposed metal has no return path to the chassis the reading must be infinite.
An other abnormality exists that must be corrected before the receiver is returned to the customer.

Leakage Current Hot Check (See below Figure)
Plug the AC cord directly into the AC outlet.
Do not use a line Isolation Transformer during this check.
Connect 1.5K/10watt resistor in parallel with a 0.15uF capacitor between a known good earth ground (Water Pipe, Conduit, etc.) and the exposed metallic parts.
Measure the AC voltage across the resistor using AC voltmeter with 1000 ohms/volt or more sensitivity.
Reverse plug the AC cord into the AC outlet and repeat AC voltage measurements for each exposed metallic part. Any voltage measured must not exceed 0.75 volt RMS which is corresponds to 0.5mA.
In case any measurement is out of the limits specified, there is possibility of shock hazard and the set must be checked and repaired before it is returned to the customer.

Leakage Current Hot Check circuit



SERVICING PRECAUTIONS

CAUTION: Before servicing receivers covered by this service manual and its supplements and addenda, read and follow the SAFETY PRECAUTIONS on page 3 of this publication.
NOTE: If unforeseen circumstances create conflict between the following servicing precautions and any of the safety precautions on page 3 of this publication, always follow the safety precautions. Remember: Safety First.

General Servicing Precautions

1. Always unplug the receiver AC power cord from the AC power source before;
   a. Removing or reinstalling any component, circuit board module or any other receiver assembly.
   b. Disconnecting or reconnecting any receiver electrical plug or other electrical connection.
   c. Connecting a test substitute in parallel with an electrolytic capacitor in the receiver.
      CAUTION: A wrong part substitution or incorrect polarity installation of electrolytic capacitors may result in an explosion hazard.
   d. Discharging the picture tube anode.
2. Test high voltage only by measuring it with an appropriate high voltage meter or other voltage measuring device (DVM, FETVOM, etc) equipped with a suitable high voltage probe. Do not test high voltage by "drawing an arc".
3. Discharge the picture tube anode only by (a) first connecting one end of an insulated clip lead to the degaussing or kine aquadag grounding system shield at the point where the picture tube socket ground lead is connected, and then (b) touch the other end of the insulated clip lead to the picture tube anode button, using an insulating handle to avoid personal contact with high voltage.
4. Do not spray chemicals on or near this receiver or any of its assemblies.
5. Unless specified otherwise in this service manual, clean electrical contacts only by applying the following mixture to the contacts with a pipe cleaner, cotton-tipped stick or comparable non-abrasive applicator; 10% (by volume) Acetone and 90% (by volume) isopropyl alcohol (90%-99% strength)
   CAUTION: This is a flammable mixture.
   Unless specified otherwise in this service manual, lubrication of contacts in not required.
6. Do not defeat any plug/socket B+ voltage interlocks with which receivers covered by this service manual might be equipped.
7. Do not apply AC power to this instrument and/or any of its electrical assemblies unless all solid-state device heat sinks are correctly installed.
8. Always connect the test receiver ground lead to the receiver chassis ground before connecting the test receiver positive lead.
   Always remove the test receiver ground lead last.
9. Use with this receiver only the test fixtures specified in this service manual.
   CAUTION: Do not connect the test fixture ground strap to any heat sink in this receiver.

Electrostatically Sensitive (ES) Devices

Some semiconductor (solid-state) devices can be damaged easily by static electricity. Such components commonly are called Electrostatically Sensitive (ES) Devices. Examples of typical ES devices are integrated circuits and some field-effect transistors and semiconductor "chip" components. The following techniques should be used to help reduce the incidence of component damage caused by static by static electricity.

1. Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any electrostatic charge on your body by touching a known earth ground. Alternatively, obtain and wear a commercially available discharging wrist strap device, which should be removed to prevent potential shock reasons prior to applying power to the unit under test.
2. After removing an electrical assembly equipped with ES devices, place the assembly on a conductive surface such as aluminum foil, to prevent electrostatic charge buildup or exposure of the assembly.
3. Use only a grounded-tip soldering iron to solder or unsolder ES devices.
4. Use only an anti-static type solder removal device. Some solder removal devices not classified as "anti-static" can generate electrical charges sufficient to damage ES devices.
5. Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ES devices.
6. Do not remove a replacement ES device from its protective package until immediately before you are ready to install it. (Most replacement ES devices are packaged with leads electrically shorted together by conductive foam, aluminum foil or comparable conductive material).
7. Immediately before removing the protective material from the leads of a replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed.
   CAUTION: Be sure no power is applied to the chassis or circuit, and observe all other safety precautions.
8. Minimize bodily motions when handling unpackaged replacement ES devices. (Otherwise harmless motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity sufficient to damage an ES device.)

General Soldering Guidelines

1. Use a grounded-tip, low-wattage soldering iron and appropriate tip size and shape that will maintain tip temperature within the range or 500 ¡ÆF to 600 ¡ÆF.
2. Use an appropriate gauge of RMA resin-core solder composed of 60 parts tin/40 parts lead.
3. Keep the soldering iron tip clean and well tinned.
4. Thoroughly clean the surfaces to be soldered. Use a mall wire-bristle (0.5 inch, or 1.25cm) brush with a metal handle. Do not use freon-propelled spray-on cleaners.
5. Use the following unsoldering technique
   a. Allow the soldering iron tip to reach normal temperature. (500 ¡ÆF to 600 ¡ÆF)
   b. Heat the component lead until the solder melts.
   c. Quickly draw the melted solder with an anti-static, suction-type solder removal device or with solder braid.
      CAUTION: Work quickly to avoid overheating the circuitboard printed foil.
6. Use the following soldering technique.
   a. Allow the soldering iron tip to reach a normal temperature (500 ¡ÆF to 600 ¡ÆF)
   b. First, hold the soldering iron tip and solder the strand against the component lead until the solder melts.

c. Quickly move the soldering iron tip to the junction of the component lead and the printed circuit foil, and hold it there only until the solder flows onto and around both the component lead and the foil.
CAUTION: Work quickly to avoid overheating the circuit board printed foil.

d. Closely inspect the solder area and remove any excess or splashed solder with a small wire-bristle brush.

IC Remove/Replacement

Some chassis circuit boards have slotted holes (oblong) through which the IC leads are inserted and then bent flat against the circuit foil. When holes are the slotted type, the following technique should be used to remove and replace the IC. When working with boards using the familiar round hole, use the standard technique as outlined in paragraphs 5 and 6 above.

Removal

1. Desolder and straighten each IC lead in one operation by gently prying up on the lead with the soldering iron tip as the solder melts.
2. Draw away the melted solder with an anti-static suction-type solder removal device (or with solder braid) before removing the IC.

Replacement

1. Carefully insert the replacement IC in the circuit board.
2. Carefully bend each IC lead against the circuit foil pad and solder it.
3. Clean the soldered areas with a small wire-bristle brush. (It is not necessary to reapply acrylic coating to the areas).

"Small-Signal" Discrete Transistor Removal/Replacement

1. Remove the defective transistor by clipping its leads as close as possible to the component body.
2. Bend into a "U" shape the end of each of three leads remaining on the circuit board.
3. Bend into a "U" shape the replacement transistor leads.
4. Connect the replacement transistor leads to the corresponding leads extending from the circuit board and crimp the "U" with long nose pliers to insure metal to metal contact then solder each connection.

Power Output, Transistor Device Removal/Replacement

1. Heat and remove all solder from around the transistor leads.
2. Remove the heat sink mounting screw (if so equipped).
3. Carefully remove the transistor from the heat sink of the circuit board.
4. Insert new transistor in the circuit board.
5. Solder each transistor lead, and clip off excess lead.
6. Replace heat sink.

Diode Removal/Replacement

1. Remove defective diode by clipping its leads as close as possible to diode body.
2. Bend the two remaining leads perpendicular y to the circuit board.
3. Observing diode polarity, wrap each lead of the new diode around the corresponding lead on the circuit board.
4. Securely crimp each connection and solder it.
5. Inspect (on the circuit board copper side) the solder joints of the two "original" leads. If they are not shiny, reheat them and if necessary, apply additional solder.

Fuse and Conventional Resistor Removal/Replacement

1. Clip each fuse or resistor lead at top of the circuit board hollow stake.
2. Securely crimp the leads of replacement component around notch at stake top.
3. Solder the connections.
CAUTION: Maintain original spacing between the replaced component and adjacent components and the circuit board to prevent excessive component temperatures.

Circuit Board Foil Repair

Excessive heat applied to the copper foil of any printed circuit board will weaken the adhesive that bonds the foil to the circuit board causing the foil to separate from or "lift-off" the board. The following guidelines and procedures should be followed whenever this condition is encountered.

At IC Connections

To repair a defective copper pattern at IC connections use the following procedure to install a jumper wire on the copper pattern side of the circuit board. (Use this technique only on IC connections).

1. Carefully remove the damaged copper pattern with a sharp knife. (Remove only as much copper as absolutely necessary).
2. carefully scratch away the solder resist and acrylic coating (if used) from the end of the remaining copper pattern.
3. Bend a small "U" in one end of a small gauge jumper wire and carefully crimp it around the IC pin. Solder the IC connection.
4. Route the jumper wire along the path of the out-away copper pattern and let it overlap the previously scraped end of the good copper pattern. Solder the overlapped area and clip off any excess jumper wire.

At Other Connections

Use the following technique to repair the defective copper pattern at connections other than IC Pins. This technique involves the installation of a jumper wire on the component side of the circuit board.

1. Remove the defective copper pattern with a sharp knife. Remove at least 1/4 inch of copper, to ensure that a hazardous condition will not exist if the jumper wire opens.
2. Trace along the copper pattern from both sides of the pattern break and locate the nearest component that is directly connected to the affected copper pattern.
3. Connect insulated 20-gauge jumper wire from the lead of the nearest component on one side of the pattern break to the lead of the nearest component on the other side. Carefully crimp and solder the connections.
CAUTION: Be sure the insulated jumper wire is dressed so the it does not touch components or sharp edges.

SPECIFICATIONS

NOTE : Specifications and others are subject to change without notice for improvement.

■ Scope

This specification can be applied to all the Projection television related to MP-015D Chassis.

Model Name	Market Place	Remark
RT-39NZ40RB/RP RE/RL-39NZ40RB	Europe China,Asia,Africa, Middle East	- RB :Teletext - RP :W/O Teletext option

■ Test Condition

1) Temperature :25¡ 5°C
2) Relative Humidity:65¡ 10%
3) PowerVoltage:Standard input voltage(110/240V@50/60Hz)
   But Standard input voltage mark value is marked by model.
4) Use the parts only designated in B.O.M.,PARTS SPEC.,or drawings.
5) Follow each drawing or spec for spec and performance of parts,based upon P/N of B.O.M
6) Warm up TV set for more than 20min. before the measurement.

■ Test and Inspection Method

1) performance:Follow the Standard of LG TV test
2) Standards of Etc requirement

Model	Market	Remark	Appliance
RE/RL- 39NZ40RB	EUROPE	SAFETY:CB EMI:EN55013 EMS:EN55020	OK

■ General Specification

★ Mark:Option Item

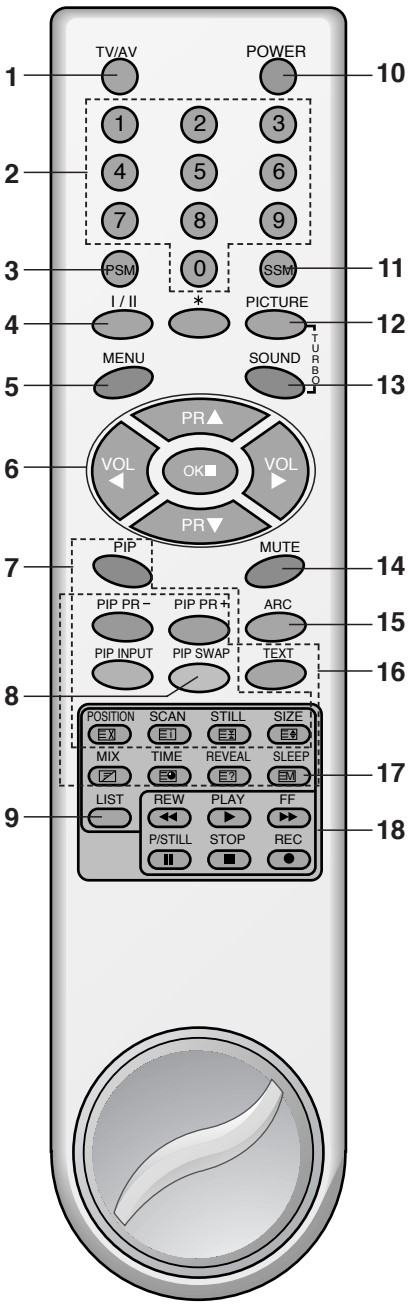
No	Item		Specification	Remark
1	Receiving System	RE	PAL,SECAM-BG PAL,SECAM-DK,PAL-II'	AV can be input NTSC-M
		RL	PAL,SECAM-BG SECAM-LL'	
		RT	PAL,SECAM-BG PAL,SECAM-DK,PAL-II' NTSC-M	
2	Available Channel		1)VHF:E2~E12 2)UHF:E21~E69 3)CATV:S1~S20 4)HYPER:S21~S41	
			LL'VHF:B,C,D	★ (RL model for France)
3	Input Voltage		AC 110~240V 50/60 Hz	★ (RT model)(W/O China,Australia)
			AC 230V 50/60 Hz	★ (RE,RL, China /Australia model)
4	Market	**RE**	Europe except France	
		RL	France	
		RT	Asia,Africa,Middle East	
5	Screen Size		39/44/49/56 inch	
6	Aspect Ratio		16:9	
7	Tuning System		FVS 100Program	
			FVS 200Program	★ (CHINA)
8	TUNER IF		38.9 MHz	

▪ Feature and Function

No	Item		Specification		Remark
1	Feature	AV Input	1	V/L/R	Side
			2	V/L/R	★ (Rear,RT model)
		AV Output	1	V/L/R	★ (Rear,RT model)
		Component Input	2	COMPONENT1 :480i/L/R COMPONENT2 :480p/L/R	Rear
		S-Video Input	2	Y/C	Side 1,Rear(SCART) 1
		SCART	3	Full SCART(with RGB Input) :1 Half SCART : 1 (AV In/out) Half SCART : 1 (AV In,YC In)	★ (Rear,RE,RL model)
2	Key	Local Key	POWER,MENU,VOL(◀,▶),PR(▲,▼) TV/AV,OK(■)		Front
		Remocon	RC-5 Code		
3	Picture	PSM	Dynamic/Standard/Mild/Game/User		
		User Control	Contrast/Brightness/Color/Sharpness/Tint		Tint:NTSC system only
		ACMS	○		★With out Australia
4	Sound	SSM	Music/Movie/Sports/User Dolby Virtual		★
		AVL	On/Off		
5	Sleep Timer		On/Off		
6	Special	Language	Multi language		★
		Auto Sleep	On/Off		
		Teletext	TOP/FLOF/LIST 128 page		★
7	Etc.	Convergence	AUTO CONVERGENCE		
		Comb Filter	Digital comb filter		
		SVM	○		
		ARC	16:9/ZOOM1/ZOOM2/AUTO/4:3		

CONTROL DESCRIPTIONS

All the functions can be controlled with the remote control handset. Some functions can also be adjusted with the buttons on the front panel of the set.
Only use the remote control handset supplied with this set. If you use other remote control handsets, they'll not be able to use.



Remote control handset

Before you use the remote control handset, please install the batteries. See the next page.

1. **TV/AV**
   selects TV or AV mode.
   clears the menu / text from the screen.
   switches the set on from standby.
2. **NUMBER BUTTONS**
   switches the set on from standby or directly select a number.
3. **PSM (Picture Status Memory)**
   recalls your preferred picture setting.
4. **I/II**
   selects the language during dual language broadcast.
   selects the sound output (option).
5. **MENU**
   selects a menu.
6. **▲ / ▼ (Programme Up/Down)**
   selects a programme or a menu item.
   switches the set on from standby.
   ◄ / ► (Volume Down/Up)
   adjusts the volume.
   adjusts menu settings.
   OK
   accepts your selection or displays the current mode.
7. **PIP BUTTONS**
   PIP
   switches the sub picture on or off.
   PIP PR +/–
   selects a programme for the sub picture.
   PIP SWAP
   alternates between main and sub picture.
   PIP INPUT
   selects the input mode for the sub picture.
   SIZE
   adjusts the sub picture size.
   STILL
   freezes motion of the sub picture.
   POSITION
   relocates the sub picture in clockwise direction.
   SCAN
   switches on or off the programme scan mode through 12 sub pictures.
8. **PIP SWAP**
   returns to the previously viewed programme.
9. **LIST**
   displays the programme table.

10. POWER
switches the set on from standby or off to standby.

11. SSM (Sound Status Memory)
recalls your preferred sound setting.

12. TURBO PICTURE BUTTON
selects Turbo picture.

13. TURBO SOUND BUTTON
selects Turbo sound.

14. MUTE
switches the sound on or off.

15. ARC (Aspect Ratio Control)
changes the picture format.

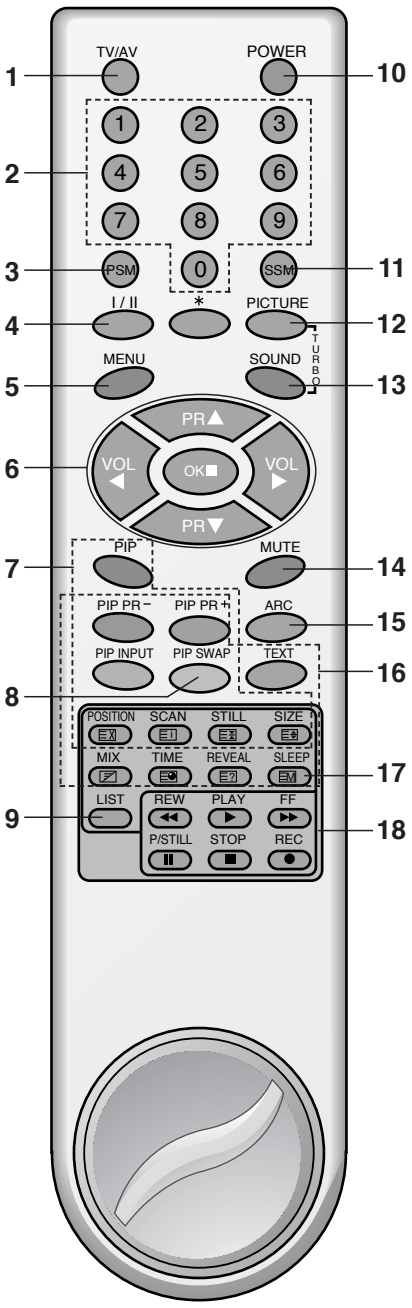
16. TELETEXT BUTTONS (option)
These buttons are used for teletext.
For further details, see the 'Teletext' section.

17. SLEEP
sets the sleep timer.

18. VCR BUTTONS
control a LG video cassette recorder.

✱ : NO FUNCTION

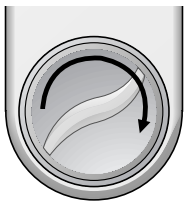
Note : In teletext mode, the **PIP PR +/–, PIP SWAP** and **PIP INPUT** buttons are used for teletext function.



Internal generator charge

The remote control handset can be charged with the internal electric generator. To charge the remote control handset carry out the following;

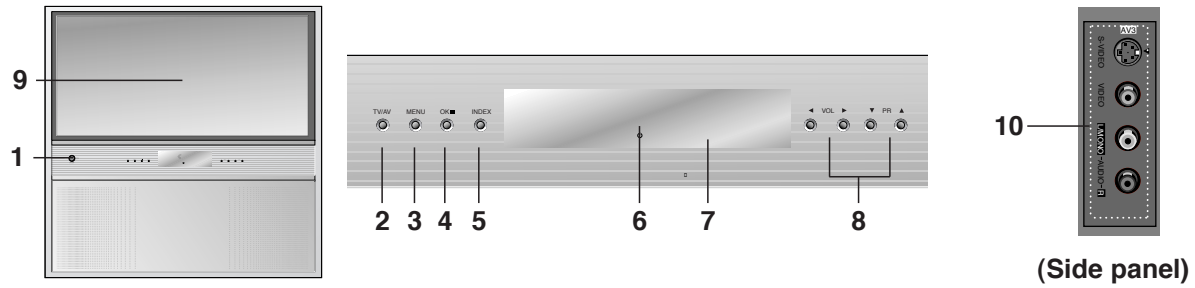
1. In first use,
   20 rotation of the handle in the arrow direction as picture below -> waiting for one minute -> 20 rotation again -> waiting for one minute again -> 20 rotation again -> beginning to use
2. In usual use
   5 or 6 rotation -> resuming to use



Note : Do not rotate the handle too rapidly for the protection of the remote control handset.

Front panel

RE/RL-39NZ40 series



(Side panel)

1. **MAIN POWER**
   switches the set on or off.

2. **TV/AV**
   selects TV or AV mode.
   clears the menu / text from the screen.
   switches the set on from standby.

3. **MENU**
   selects a menu.

4. **OK**
   accepts your selection or displays the current mode.

5. **INDEX**
   switches LED DISPLAY on or off.

6. **POWER/STANDBY INDICATOR**
   illuminates brightly when the set is in standby mode.
   goes off when the set is switched on.

7. **LED (Light Emitting Diode) DISPLAY**
   illuminates brightly when the set is switched on.
   Option : Only RT-39NZ40 series,
   : PAL/SECAM input signal indicator
   : NTSC input signal indicator
   : STEREO sound indicator
   : SLEEP timer indicator
   : CHILD LOCK setting indicator

8. **◄ / ► (Volume Down/Up)**
   adjusts the volume.
   adjusts menu settings.
   ▲ / ▼ (Programme Up/Down)
   selects a programme or a menu item.
   switches the set on from standby.

9. **REMOTE CONTROL SENSOR**

10. **AUDIO/VIDEO IN SOCKETS (AV3)**
    Connect the audio/video out sockets of external equipment to these sockets.
    S-VIDEO/AUDIO IN SOCKETS (S-AV)
    Connect the video out socket of an S-VIDEO VCR to the **S-VIDEO** socket.
    Connect the audio out sockets of the S-VIDEO VCR to the audio sockets as in **AV3**.

* **CASTERS (on the bottom)**
   turn and move the set easily.

ADJUSTMENT INSTRUCTIONS

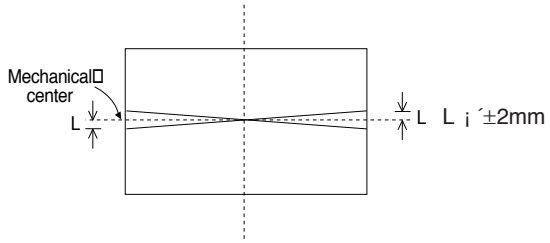
● Raster Slope/Focus 1th Adjustment

1. Preliminary steps

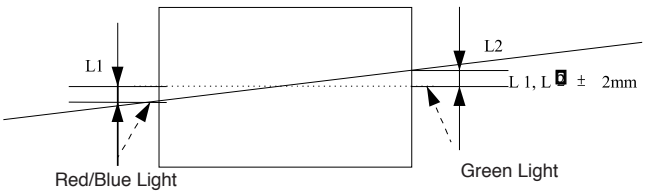
1) Receive the EU 05 CH signal.
2) Adjustment Lens focus and Electric provisionally.
3) Set the convergence on RESET.
   a.Adjustment mode:Press the SVC key and then press the ≡M key.
   b.Data reset : Press 5 KEY and then OK key.
   c.Adjustment mode cancellation : Press the ≡M key.

2. Adjustment

1) Display only the Green raster using lens covers to block Red and Blue.
2) Rotate the Green DY and tilt the screen like the figure below.



3) Make 2color raster with Red or Blue and Green.
4) Superimpose the slope of red and blue raster onto that of the Green.



Note)
When adjusting raster slope, loosen the DY and retighten it after adjusting.Never rotate and adjust the fixed DY without loosening it.

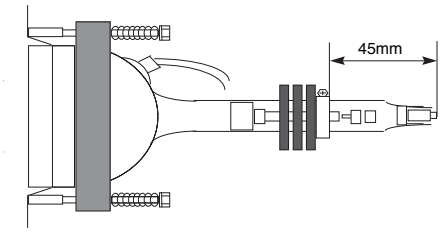
● Beam Alignment Adjustment

1. Test Equipment

Signal Generator that can produce DOT pattern
(401NPS or 5518/5418)

2. Preparation

1) Heat run over 60 minutes.
2) Pre-adjust Raster slope,Raster position & Lens focus&centering Magnet.
3) Verify that the Magnet is located 45mm from the end of PRT.
4) Receive DOT pattern.

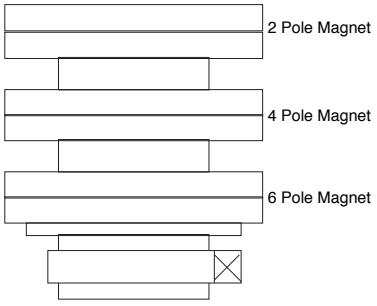


3. 2-Pole Magnet Adjustment

1) Display only the Green raster using lens covers to block Red and Blue.
2) Check the center position of DOT pattern on the center of the screen after turning Green focus volume left.
3) Turning green focus volume right and adjust 2-Pole magnet so the position to coincide that of item 2).
4) Adjust not to shift the screen by turning green focus volume left & right.
5) If the screen shifts, readjust 2)~4).
6) Do the same method in Red and Blue. Here, be careful not to be stained.

4. Beam Shape (4 & 6-Pole Magnet) Adjustment

1) Do after adjustment of the 2-Pole magnet .
2) Display only the Green raster using lens covers to block Red and Blue and turn the focus volume right.
3) Using the 4 & 6-pole magnets make adjustments so the DOT in the center is a perfect circle.
4) Follow the same method in Red & Blue.
5) Fasten the Magnet after adjustment.
6) Adjust focus volume accurately and then adjust raster center.



● Centering Magnet Adjustment

1. Preliminary steps

1) Tune the TV set to receive a EU 05 CH.
2) Press the keys of Remote Controller for adjustment to reset the convergence.
   a.Adjustment mode:Press the SVC key and then press the ≡M key.
   b.Data reset : Press 5 KEY and then OK key.
   c.Adjustment mode cancellation : Press the ≡M key.

2. Adjustment

1) Operate adjustment about Red,Green,Blue centering magnet.
2) SGS-THOMSON Convergence assy
   Adjust until the center of blue signal is shifted up to 40mm left from that of green signal and center of red signal is shifted up to 40mm right from that of green signal with turning the centering magnet.
3) After adjustment, re-adjust convergence data and exit the adjusting mode.
   a.Adjustment mode:Press the SVC key and then press the ≡M key.
   b.Data reset : Press 0 KEY and then OK key.
   c.Adjustment mode cancellation : Press the ≡M key.

● High Voltage Regulation Adjustment

1. Test Equipment

Digital Multi-Meter(DMM)

2. Preparation for Adjustment.

Select picture mode to 'DYNAMIC' in no signal input.

3. Adjustment

1) Connect "+" terminal(Red) of DMM to the P416A of the Deflection PCB, [+] and the "-" terminal(Black) to the P416B,[-].
2) Adjust VR401 so that the voltage of multimeter to be below voltage.
   Model except for German model: 21.6 ± 0.1V.
   German Model: 20.5±0.1V.

● CUT-OFF Adjustment

1.Preliminary steps

1) Adjustment must be operated in a dark room(simple dark room).
2) Turn the screen volume to the left so that the screen voltage to be MIN. (Entering the horizontal mode when the screen voltage is high may occur the horizontal burning of PRT.)

2.Adjustment.

1) Press the "SVC"key and then press the ≡/ key. on the remote controller for adjustment to display horizontal line.
   (Even though it enter into the Adjustment mode,the horizontal line might not be seen according to the position of Screen Volume.)
2) Adjust Screen Volume (R/G/B) in Focus Pack until brightness of red/blue/green horizontal line is hardly seen.
   (At the moment,brightness of red,blue or green horizontal line should be equal to one another.)
3) Exit the adjustment mode by pressing the ≡/ key.

● Deflection Adjustment

1. Preliminary steps

1) NTSC mode should be adjusted after adjusting PAL mode.
2) NTSC adjustment should be done in STANDARD mode of picture after receiving 13CH signal or MULTI 48CH signal,and PAL adjustment should be done in STANDARD mode of picture after receiving EU05 CH.
3) Reset the data in convergence adjustment mode,quit the mode.
   Adjustment Mode : Press the "SVC" key and then ≡M key.
   Data reset : Press the "5" key and then OK key.
   Adjustment mode cancellation :Press the ≡M key.
4) Display only the Green raster using lens covers to block Red and Blue.

2. PAL Mode Deflection adjustment

Do not adjust VS ,HS ,VL ,A-ANG ,A-BOW ,SC ,V-ASP in PAL MODE. At SVC mode,press the YELLOW key get into the deflection adjustment mode.

1) VS (Vertical Shift)
Adjust until the geometric vertical center line is accord with the vertical center line of screen JIG in EU 05 CH by pressing the VOLUME ◄,► key.

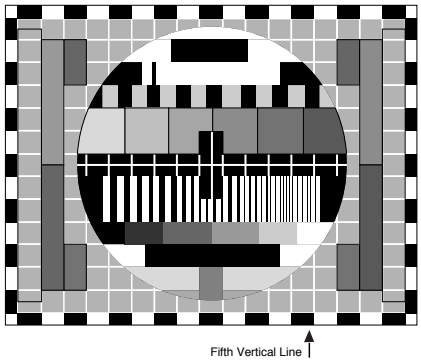
2) VA (Vertical Amplitude)
Adjust until fifth vertical line from upper and lower center of the screen is accord with the last point of the frame.

3) HS (Horizontal Shift)
Adjust until the geometric horizontal center line is accord with the horizontal center line of screen JIG.

4) EW (East-west Width)
Adjust until the outermost left and right vertical line of the screen is accord with the last point of the frame.

5) EP (East-west Parabola)
Adjust so that middle portion of the outermost left and right vertical line looks like parallel with vertical lines of the PRT.

6) ET(East-west Trapezium)
Adjust to make the width of top horizontal line same with it of the bottom horizontal line.



7) A-ANG(AFC Angle)
Vertical slope adjustment

8) A-BOW(AFC BOW)
Vertical get bending adjustment

9) U-C(Upper Corner Pincushion)
Upper part pin cushion adjustment

10) L-C(Lower Corner Pincushion)
Lower part pin cushion adjustment

11) U-VL(Upper Vertical Linearity)
Adjust vertical linearity of upper screen

12) L-VL(Lower Vertical Linearity)
Adjust vertical linearity of lower screen

13) VL (Vertical Linearity)
Adjust the top/bottom size of circle to be same in the EU 05CH.

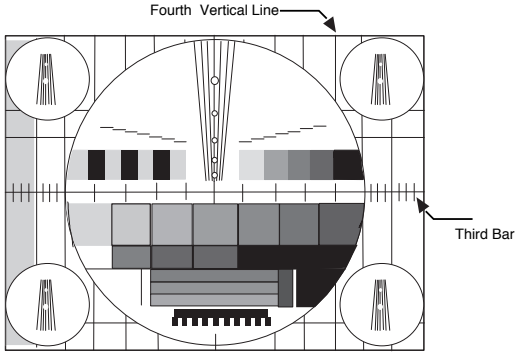
14) SC (Vertical "S" Correction)
Adjust so that all distance between each horizontal lines are to be the same.

15) V-ASP(Vertical Aspect Ratio)
Adjust the vertical aspect ratio.

16) Store the adjusted data in EEPROM by pressing the "OK" key before exiting adjustment mode.
17) Exit the Adjustment mode by pressing the 'TV/AV' key.

3. NTSC Mode Deflection Adjustment

1) Adjust vertical size (VA Adjustment) until fifth vertical bar from upper and lower center screen is accord with the edge of the frame.
2) Adjust horizontal size (EW Adjustment) until third bar to indicate horizontal size of circle is accord with the edge of the frame.
3) Do other adjustments the same as in PAL mode.



● Lens Focus & Electronic Focus Adjustment

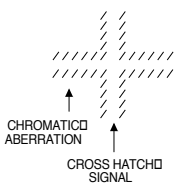
1. Preliminary steps

1) Electronic focus,Raster slope & Raster position must be pre-adjusted.
2) Heat-run over 60 minutes.
3) Receive Crosshatch pattern.
(PAL:EU07(PR 8) or NTSC:09CH(PR 13))

* Note: Loosen the butterfly nut in the lens tub slightly,being careful that it is mot loosened to the point that the lens can move out of focus.

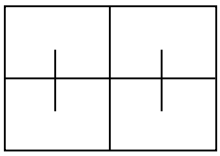
4) Adjustment must be done in a dark room(simple dark room) Be careful not to touch the lens during adjustment.
5) Make any one color raster using lens covers.
6) Rotating lens right from the front side chromatic haze occurs beside Cross-hatch line changes as follows;

Lens	Change of chromatic aberration
Red	Orange ¤AScarlet
Green	Blue ¤ARed
Blue	Purple ¤AGreen



2. G-lens Adjustment

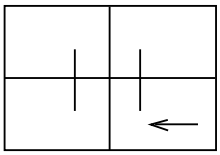
1) Rotate the lens until the chromatic haze changes from blue to red.
2) Viewing the all screen, in no case of the chromatic aberration appeared slimly within 3.5 cross-Hatch of the picture center. At this time, in case that the red chromatic aberrations bright line isn't equal, adjust Green lens so that the red chromatic aberration is appeared more than previous time.



3) Switching the signal to 13CH and operate adjustment minutely.
4) Adjust Green focus control volume of focus pack so that the external big circle's part appeared clearly.
5) Adjust accurately by repeat the upper control.
6) Especially, noting to the Green light because it influenced on picture's function.

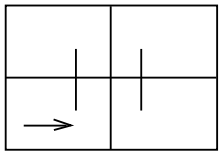
3. R-lens adjustment

1) Rotate the RED lens until the chromatic haze changes from orange to scarlet.
2) Adjust to appear Red chromatic aberration in right 3.5 cross-hatch section at center screen.Adjust the chromatic aberration so that it located center correctly.
3) Switching the signal to 13CH and adjust it as same method of Green lens.
4) Adjust as same method of Green lens with Red focus control volume of focus pack.



4. B- lens adjustment

1) Rotate the lens until the chromatic aberration of 3.5 Cross-Hatch left from center point changes from Violet to Green. Adjust the chromatic aberration to be center point between violet and green.



2) Adjust as same as method of Green lens with Red focus control volume of focus pack.

5. Focus checking

After adjustment Red,Green & Blue lens, remove lens cover and receive Cross-Hatch pattern and check the overall focus. If needed,repeat above.

● Convergence Adjustment

1. Preliminary steps

This adjustment should be performed after warming up 60 minutes.

1) Adjust after Horizontal/Vertical Raster position,Beam alignment magnet, and focus adjustments have been completed.
2) Do it always with crosshatch pattern.
3) Adjust for both PAL and NTSC system.
4) Use the JIG screen with the cross hatch pattern for Adjustment.

2. Convergence Key

1) Convergence Mode : SVC,≡M
2) Cursor shift : ◄ , ► , ▲ ,▼
3) Cursor Movement/Adjustment Selection : OK
4) Cursor Color Selection : TV/AV
5) Adjustment mode out : ≡M

*Note: When cursor flashes,set is in adjustment mode When R,G or B selected color flashes,the set is in cursor movement mode.

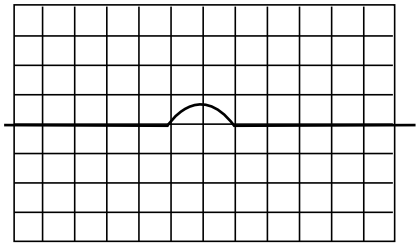
● PAL Mode Adjustment

1. Preliminary steps

1) Receive the EU 05CH signal.
2) Press the buttons SVC & ≡M of Remote Controller for adjustment to get into the convergence adjustment mode.

2. Horizontal/Vertical phase adjustment

1) Press the buttons 9 & 5 to get into the phase adjustment mode.
2) Horizontal Phase Adjustment.
   Move the convex part to the middle of TV screen.



3) Press the OK button to escape from the adjustment.

3. Pattern position adjustment

1) Change into pattern shift mode.
   (Press numeric buttons “9” & “4”)
2) Make sure to overlap pattern and image.
   (Use MUTE button)
3) Accord the center of image and pattern.
   (Use ◄ , ► , ▲ ,▼ buttons)
4) Quit pattern shift mode. (Press “OK” button)
5) Save adjusted phase/pattern position adjustment mode.(Press “9”, “2” & “OK” buttons)

4. Auto convergence

*Convergence is based on the auto adjustment using PC and Camera while applying the THOMSON convergence Assy and if need,adjust manually like below method.

5. Green convergence adjustment

1) Show the OSD on screen by pressing 2 button,then change the OSD to green(G) adjustment mode with pressing TV/AV button.
2) Close the cover of red PRT and blue PRT so that green display on screen only.
3) Adjust to coincide green pattern with screen JIG pattern.
   (Use ◄ , ► , ▲ ,▼ buttons)
   At this time move cursor from center to around and adjust convergence.

6. Red convergence adjustment

1) Show the OSD on screen by pressing 2 button,then change the OSD to red(R) adjustment mode with pressing TV/AV button.
2) If the need arises,close the cover of the blue lens.
3) Coincide the red screen with the green screen in same way with that of green convergence adjustment.

7. Blue convergence adjustment

1) Show the OSD on screen by pressing 2 button,then change the OSD to blue(B) adjustment mode with pressing TV/AV button.
2) Coincide the blue screen with the green screen in same way with that of red convergence adjustment.

8. Saving adjusted data

1) To save the data after adjustment,Press “9”, “1” & “OK” button.
2) Quit convergence adjustment mode. (“ ≡M ” button)

9. NTSC mode adjustment

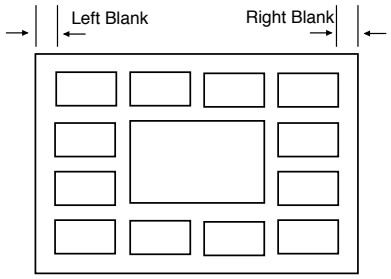
1) Receive the 13CH or Multi 48 CH signal.
2) Adjust as same method of PAL mode.

10. Auto-Convergence measuring

1) Operate the auto-convergence measuring separately in PAL,NTSC mode.
2) Operate in the condition of ‘Zero magnetometer ‘ in room after correcting convergence manually.
3) How to measuring
   Press the ‘SVC ->≡M ->MENU->3 key to operate Auto convergence measuring.

11.PIP-Position adjustment

1)Press the WD2 9/4PIP button so that the screen to be Multi-picture 12SCAN after receiving the PAL signal.
2)Check the R/L space is to 20±5mm.



3)If not,press SVC key on R/C to enter adjustment mode and then press the YELLOW key to move into 'SERVICE ADJUSTMENT 5'
4)Adjust M-HOR and M-VER so that left/right space to be symmetry.
5)Press the OK key to store the data.

● White Balance Adjustment

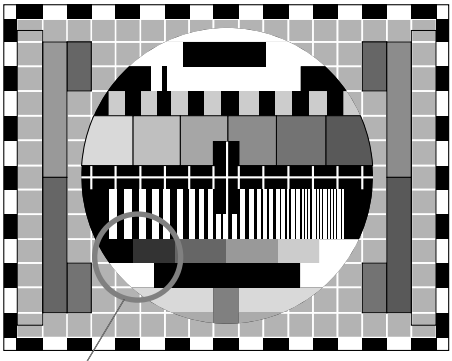
1. Test Equipment

Brightness meter(CA110)

2. Adjustment

1) This adjustment must be operated in a dark room or equivalent.
2) Adjust after Cut-Off and Focus adjustment.
3) The brightness meter must be located in 20¡ 5cm distance from the center of the screen.
4) Receive WINDOW signal.
   * High Light : 200±3 cd/m^2
   * Low Light : 10±3 cd/m^2
5) Set BRIGHT to H/Light adjustment mode in 4) and enter SVC mode by pressing the "SVC" button. Adjust RG (R Gain) and BG (B Gain) until color coordinate becomes X=0.280 and Y=0.300 (Deviation : ±0.01).
6) Set BRIGHT to L/Light adjustment mode and adjust CR (R Cut Off) and CB (B Cut Off) until color coordinate becomes X=0.282 and Y=0.286 (Deviation : ±0.01).
7) Repeat adjusting until the color coordinate of H/Light and L/Light is satisfied.
8) Save the data after adjustment.
   (Press "OK" button)
9) Quit adjustment mode. (" TV/AV " button)

● Sub-Bright Adjustment



1) Tune the TV set to receive a EU 05 CH.
2) Enter SVC mode by pressing the "SVC" button. Adjust S-BRI data until 100% and 80% GRAY PATTERN is classified.
   (Use ◄ , ► , ▲ ,▼, OK buttons)

● DVCO Adjustment

1) Tune the TV set to receive a EU 05 CH.
2) Enter the adjustment mode by pressing SVC button of Remote Controller for adjustment,then select DVCO menu.
   Operate auto adjustment with VOL ► button.
   If DVCO data is changed,auto adjustment has finished.
3) After finishing DVCO adjustment,save the data by pressing OK button.

● Auto-Convergence Check

1)Check the Auto-Convergence in PAL/NTSC mode separating.
2)Press the SVC key on R/C for adjustment and press the ☰◕ to check whether Auto-Convergence works normally in each mode.
3)If not,check the Convergence condition or Measuring condition and SENSOR condition.
4)The shipment must be done after restoring the final auto convergence data value.

*** Restore a Convergence data**
SVC -> ≡M -> TEXT

● Check the Option Adjustment

1) Check the OPTION1~4 data of attach 6 is well recorded.
2) The option value of each suffix is started on JOB EXP of 3141VMN chassis Assy.

● Convergence Adjustment Mode

- SVC -> ≡M -> MENU

*** This Mode is for engineering. So,don't change before permission from Design Department.**

0.AC POSITION READ : Distance data(After auto convergence measuring)

1.Save to 50Hz/60Hz : Save (convergence adjustment data)
It's same 9,1,OK.

2.Save Control data : Save (A phase adjustment data)
It's same 9,2,OK.

3.AC Position Meas. : Execute(auto convergence measuring)

4.Pattern : Adjust location of convergence pattern.
It's same 9,4,OK.

5.Phase : Adjust a phase of convergence pattern.
It's same 9,5,OK.

6.GRID Border

Item	Description	(PAL)	(NTSC)
HGD	Horizontal Grid Distance	27	27
HRD	Horizontal Retrace Distance	55	55
VGD	Vertical Grid Adjustment	22	38
BPH	Border Position Horizontal	20	18
BPV	Border Position Vertical	14	26

7.ADJUST: Set the Dynamic focus data&auto-convergence data

Item	Description	(PAL/NT)
FV1	Focus parabola top value	44
FV2	Focus parabola middle value	19
FV3	Focus parabola bottom value	41
VFP	Focus parabola position	21
FSB	Start of the retrace value	40
FVR	Focus value during frame retrace	45
STA	Force the video pattern fast blanking	110
ACO	Auto convergence offset	60
OPT	EEPROM/MICOM	MICOM
INIT	Initialization	NO

8.OSD POSITION

9.AC PATTERN ADJ :Assign location for pattern start

<PAL mode>

H,V	H,V	H,V
17,16	4,7	8,17
17,15	3,7	10,15
18,17	3,6	11,14
14,17		11,16
14,17		13,17
15,16		13,17
18,9	6,18	9,5
18,8	5,20	10,7
19,6	4,18	10,9

<NTSC mode>

H,V	H,V	H,V
14,30	5,17	10,33
14,32	3,15	12,31
15,33	3,15	13,28
11,31		14,27
11,29		15,29
12,29		15,30
15,11	6,28	12,5
15,9	5,28	13,6
16,10	4,28	13,10

* 39" 16:9 WIDE MODEL

<PAL mode>

H,V	H,V	H,V
12,12	4,5	12,15
12,12	3,2	15,13
12,13	2,3	15,13
9,19		20,18
8,19		20,17
9,19		20,19
14,11	3,20	16,7
14,11	2,20	16,9
14,11	1,20	16,11

<NTSC mode>

H,V	H,V	H,V
10,26	4,12	15,27
10,27	3,9	17,27
9,27	1,9	17,25
8,33		20,31
8,33		20,31
8,33		20,31
9,15	3,28	17,10
9,15	2,30	19,13
9,15	1,30	19,15

● SVC Adjustment mode & Initial data

1. White Blalane adjustment data (IC:CXA2100)

Menu	Description	Range	Default
RD	Red Drive		12
GD	Green Drive		1F
BD	Blue Drive		19
RC	Red Cut-off		0C
GC	Green Cut-off		3F
BC	Blue Cut-off		19
S-BRI	Sub BRIGHT		10
DVCO	Digital VCO		

2. Deflection adjustment data (IC:CXA2100)

Menu	Description	Range	Default	
			PAL	NTSC
VS	Vertical Shift		11	11
VA	Vertical Amp		0E	0B
HS	Horizontal Shift		1F	30
EW	East-West Width		23	23
EP	East-West Parabola		1A	1C
ET	East-West Trapezium		4	4
U-C	UP Corner Pincushion		10	11
L-C	LO Corner Pincushion		10	11
U-VL	UP Vertical LIneality		D	B
L-VL	LO Vertical LIneality		9	7
VL	Vertical LIneality		6	6
A-ANG	AFC Angle		7	7
A-BOW	AFC Bow		7	7
SC	Vertical S-Correction		3	3
V-ASP	Aspect ratio control		1F	1F

3. Picture adjustment data (IC:CXA2100)

Menu	Description	Range	Default
D-COL	Dynamic Color ON/OFF		1
COLAX	Color matrix		2
DCOL	Dynamic Color Temperate		1
LIMLE	RGB Amplitude Limiter Level		1
CTILE	CTI Level		1
GAMMA	GAMMA correction		2
LTILE	LTI Level		1
BLKBO	RGB Bottom LImiter Level		0
ABLTH	ABL threshold		3
ABLMO	ABL Mode		3
VM-LE	VM Level		2
PREOV	Pre/Over-Shoot Control		3
DPIC	Auto Pedestal level		1
DC-TR	DC transmission control		3
LRGB2	RGB2 output level control		A
DL-PA	DElay Line switching		0
SHPF0	Sharpness f0		1
CB-F1	INput1 CB signal DC Offset		7
CR-F1	INput1 CR signal DC Offset		4
CB-F2	INput2 CB signal DC Offset		7
CR-F2	INput2 CR signal DC Offset		4
VCOMP	A-SAW output gain control		0
EW-DC	EW output DC level		1
AKBT2	AKB time shift		0
HCOMP	EW output DC control		0
VBLKW	VBLK width control		0
LE-BL	Left HBLK width control		37
RI-BL	Right HBLK width control		1B
S-CON	Sub contrast		A
P-ABL	PEAK ABL		C

4. Sound adjustment data (IC:MSP3411)

Menu	Description	Range	Default
FM	FM Prescaler		1B
NP	NICAM Prescaler		73
SP	SCART Prescaler		18
S1 VOL	SCART 1 Volume		50
S2 VOL	SCART 2 Volume		50
MDB-ST	MDB Effect Bass Strength		24
MDB-LIM	MDB Amplitude Limit		FD
MDB-HMC	MDB Harmonic Content		64
MDB-LP	MDB Low Pass		09
MDB-HP	MDB High Pass		06

5. Picture adjustment data (IC:SDA9410)

Menu	Description	Range	Default
VDELM	Vsync input delay		13
NRY	Temporal Noise Reduction of Y		0E
NRC	Temporal Noise Reduction of C		0A
NRKY			00
NRKC			00
ODELM	Output Processing delay master		AA
VDELS	Vsync input delay(sub)		13
FSEL	Filter Select		3
RF AGC	RF AGC Level		A2
M-HOR	Horizontal PIP Position		7
M-VER	Vertical PIP Position		7

6.OPTION Data Adjustment

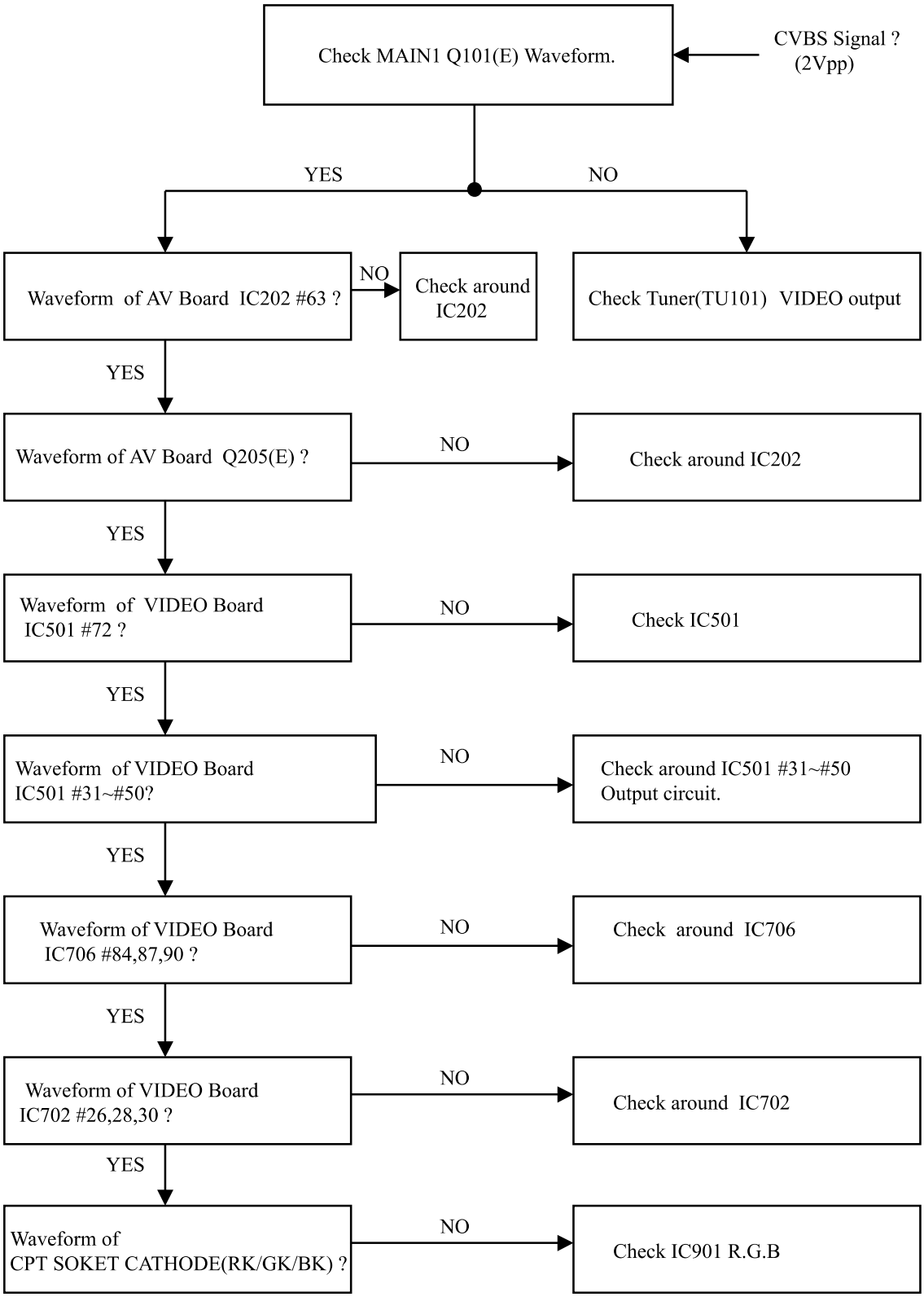
	Range	Description	Default
option1	200 PRO	1: 200 Program(CHINA Only)	
		0: 100 Program	
	TSEAR	1: With TURBO Search	
		0: Without TURBO Search	
	I/II SV	1: Save Dual Sound Condition	
		0: Not Save Dual Sound	
	TOP	1: TOP + FLOF TEXT	
		0: FLOF TEXT	
	39W	1: 39W	
		0: 44/49/56W	
	A2 ST	1: With FM Stereo	
		0 : Without FM Stereo	
	SYS	0 : BG/I/DK(PE-)	
		1 : BG/L(PL-)	
		2: BG/I/DK/M(PT-)	
		3 : RESERVED	
option2	ACMS	1: With Channel Name Display	
		(All Countries except Australia)	
		0: Without Channel Name Display	
		(Australia)	
	VOL	1: Rushed Sound Curve	
		(Middle East ASIA,ASIA)	
		0: Standard Sound Curve	
		(Other countries)	
	AV4	1: With AV4 Input	
		0: Without AV4 Input	
	EU	1: PE/PL Model	
		0: PT Model	
	DVD i	1: With COMPONENT1 Input	
		0: Without COMPONENT1 Input	
	DVD p	1: With COMPONENT2 Input	
		0: Without COMPONENT2 Input	
	VGA	1: With VGA Input	
		0: Without VGA Input	
option3	C SPK	1: With CENTER SPK	
		0: Without CENTER SPK	
	VFD	1: Digital Index button	
		0: SOUND MUTE button	
	C MUTE	1: RF Normal Sound Modulation(Others)	
		0: High Deviation Modulation(CHINA)	
	DOLBY	1: With DOLBY Pro LOgic	
		0: Without DOLBY Pro LOgic	
	V-DOL	1: With DOLBY Virtual Surround	
		0: Without DOLBY Virtual Surround	

	Range	Description	Default
option3	TEXT	1: With Teletext	
		0: Without Teletext(CHINA)	
	SCART	1: RF 54% Modulation INput	
		0: RF 100% Modulation INput	
	CH + AU	1: China+AUST.Channel Table	
		0: Other countries Channel table	

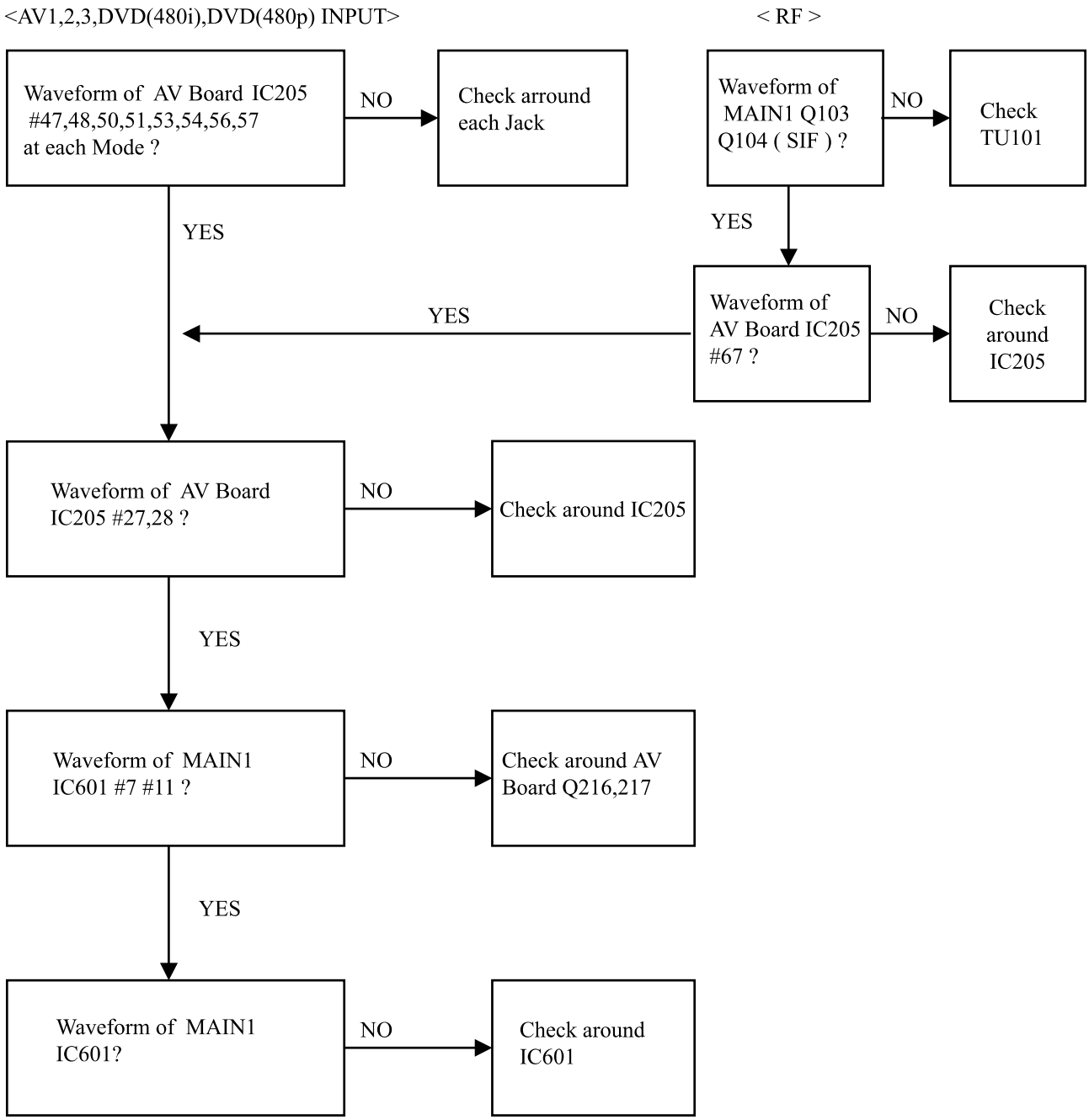
	State	Language	Function	Default
option4	LANG	0:ENG Only	English	
		1:EU 5EA	English/German/French/Italy/Spanish	
		2:EU ETC	Pol./Hungary/Czecho/Russia/Eng	
		3:PARSI	English/Parsi	
		4:ARAB URDU	English/French/Arab+Urdu	
		5:English+Hindi	English/Hindi	
		6:English+I+M+V	English/Indonesian/Malaysian/Vietnamese	
		7:English+THAI	English/Thai	
		8:English+China	English/China	
	T-LAN	0:West Europe	English/French/Swedish/Czech/German/Spanish/Italian	
		1:East Europe	Polish/French/Swedish/Czech/German/Slovenian/Italian/Rumanian	
		2:Turkey EU	English/French/Swedish/Turkish/German/Spanish/Italian	
		3:EAST EU2	English/Hungarian/Serbian/Czech/German/Polish/Spanish/Italian/	
			Rumanian	
		4:Cyrillic 1		
		5:Cyrillic 2		
		6:Cyrillic 3	Russia	
		7:Turkey/Greek 1		
		8:Turkey/Greek 2		
		9:Turkey/Greek 3		
		10:Arab/France		
		11:Arab/English		
		12:Arab/Hebrew 1		
		13:Arab/Hebrew 2		
		14:Farsi/English		
		15:Farsi/France		
		16:Farsi all		

TROUBLE SHOOTING

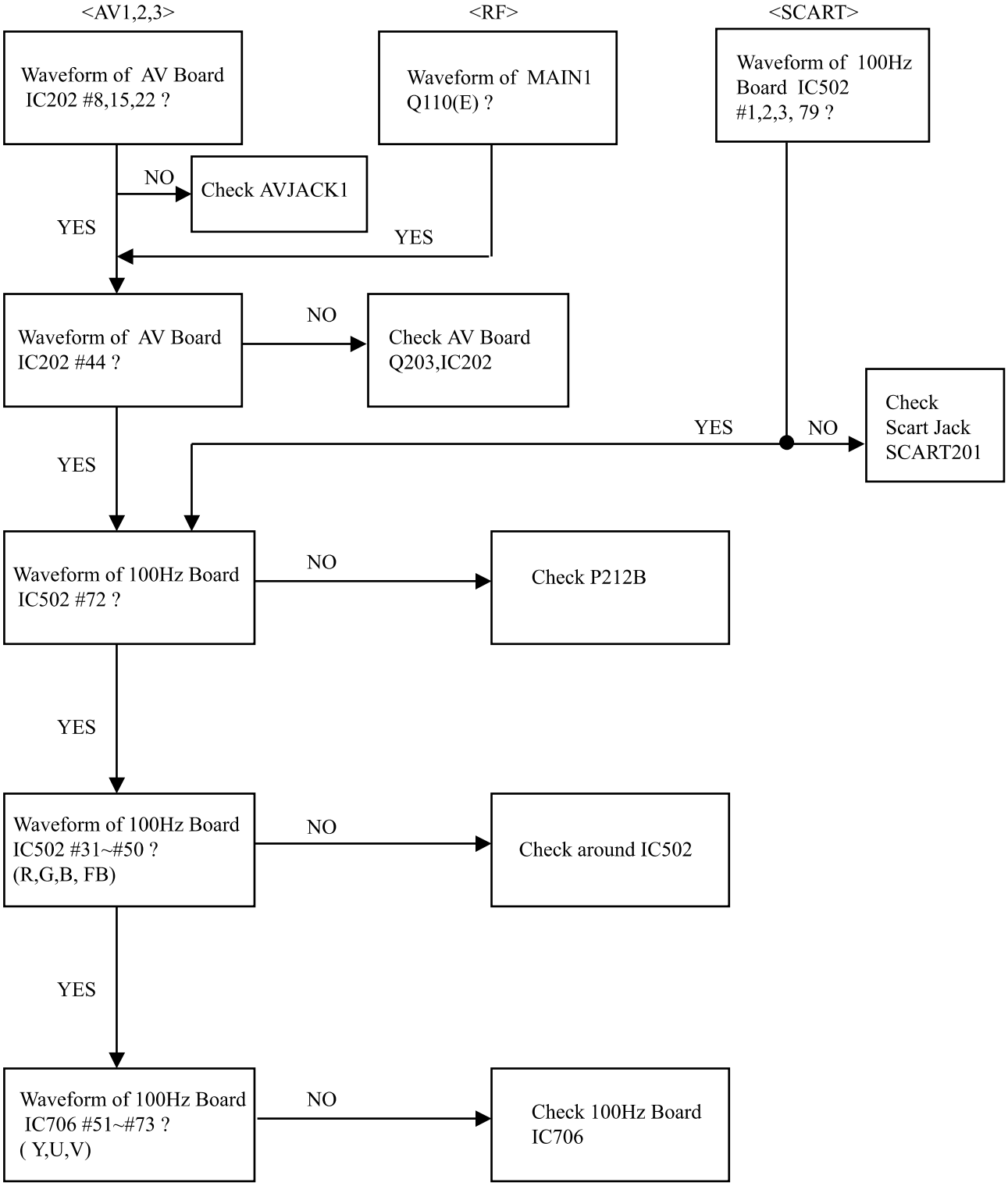
1. NO PICTURE (SOUND OK)



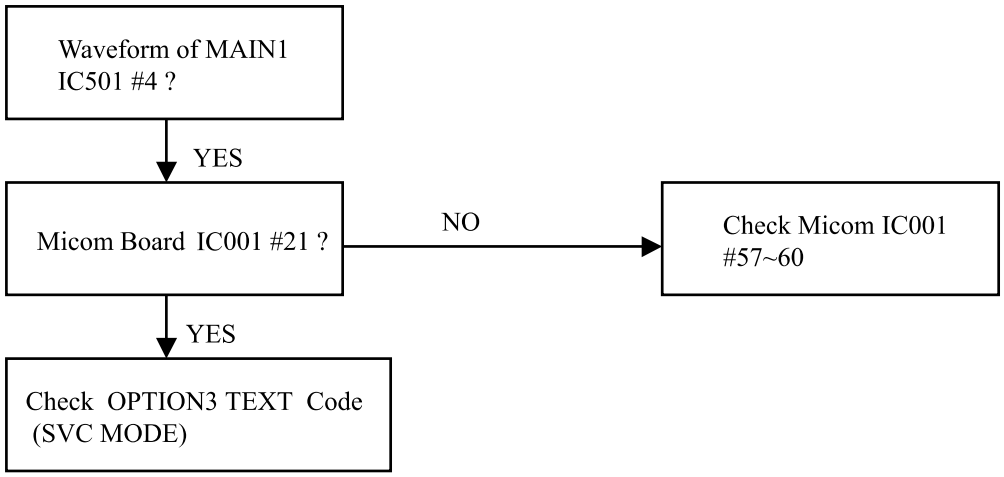
2. NO SOUND (PICTURE OK)



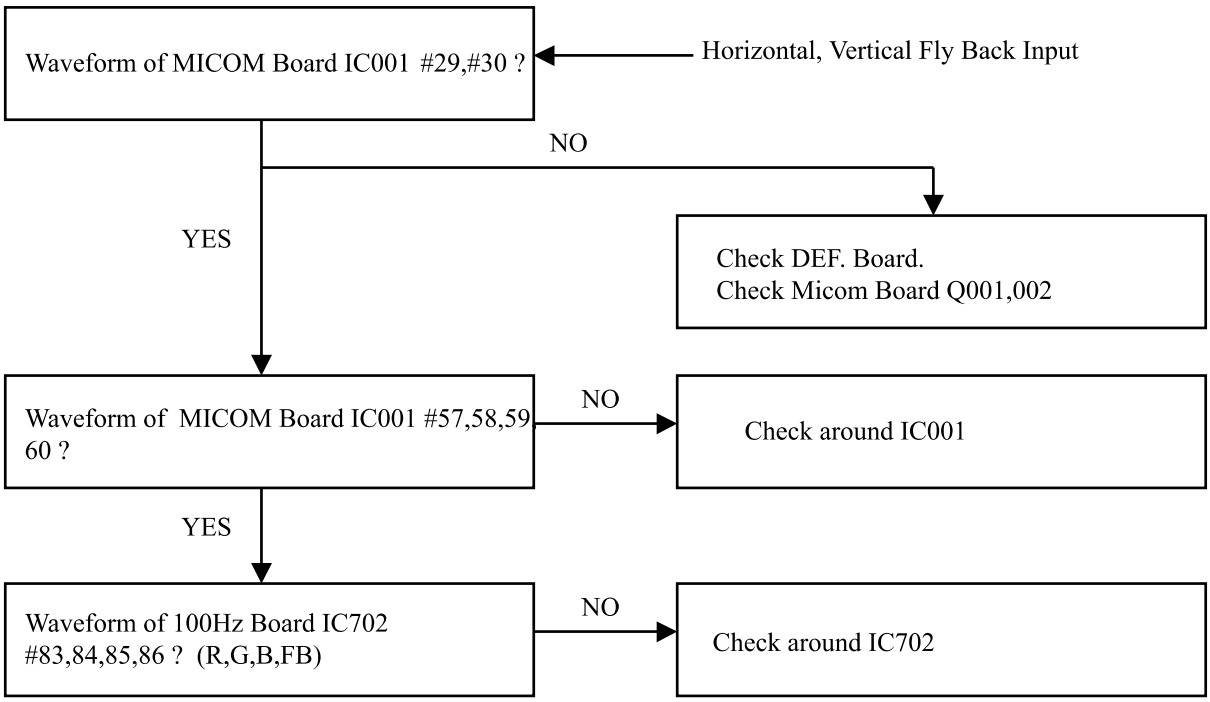
3. NO PIP


<AV1,2,3>
<RF>
<SCART>
Waveform of AV Board IC202 #8,15,22 ?
Waveform of MAIN1 Q110(E) ?
Waveform of 100Hz Board IC502 #1,2,3, 79 ?
NO
Check AVJACK1
YES
YES
Waveform of AV Board IC202 #44 ?
NO
Check AV Board Q203,IC202
YES
NO
Check Scart Jack SCART201
YES
Waveform of 100Hz Board IC502 #72 ?
NO
Check P212B
YES
Waveform of 100Hz Board IC502 #31~#50 ? (R,G,B, FB)
NO
Check around IC502
YES
Waveform of 100Hz Board IC706 #51~#73 ? (Y,U,V)
NO
Check 100Hz Board IC706

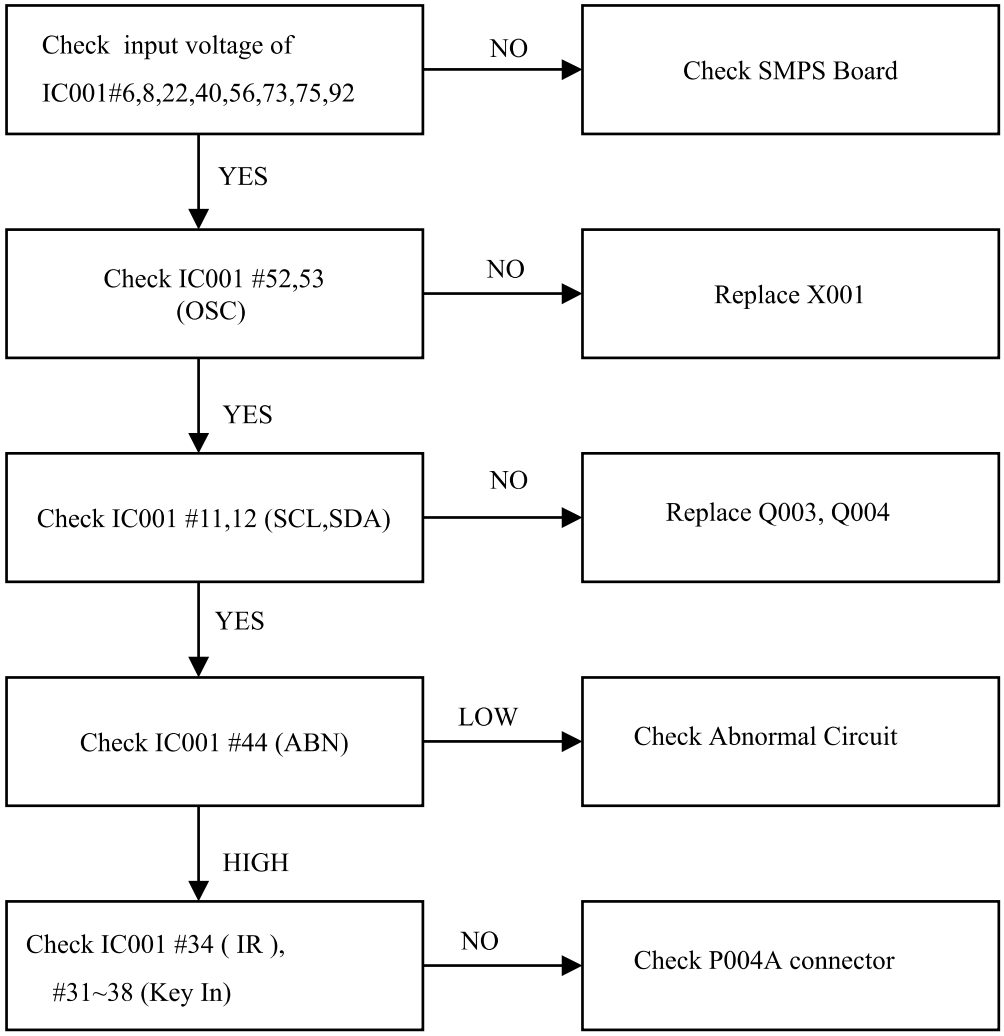
4. NO Teletext (Picture OK)



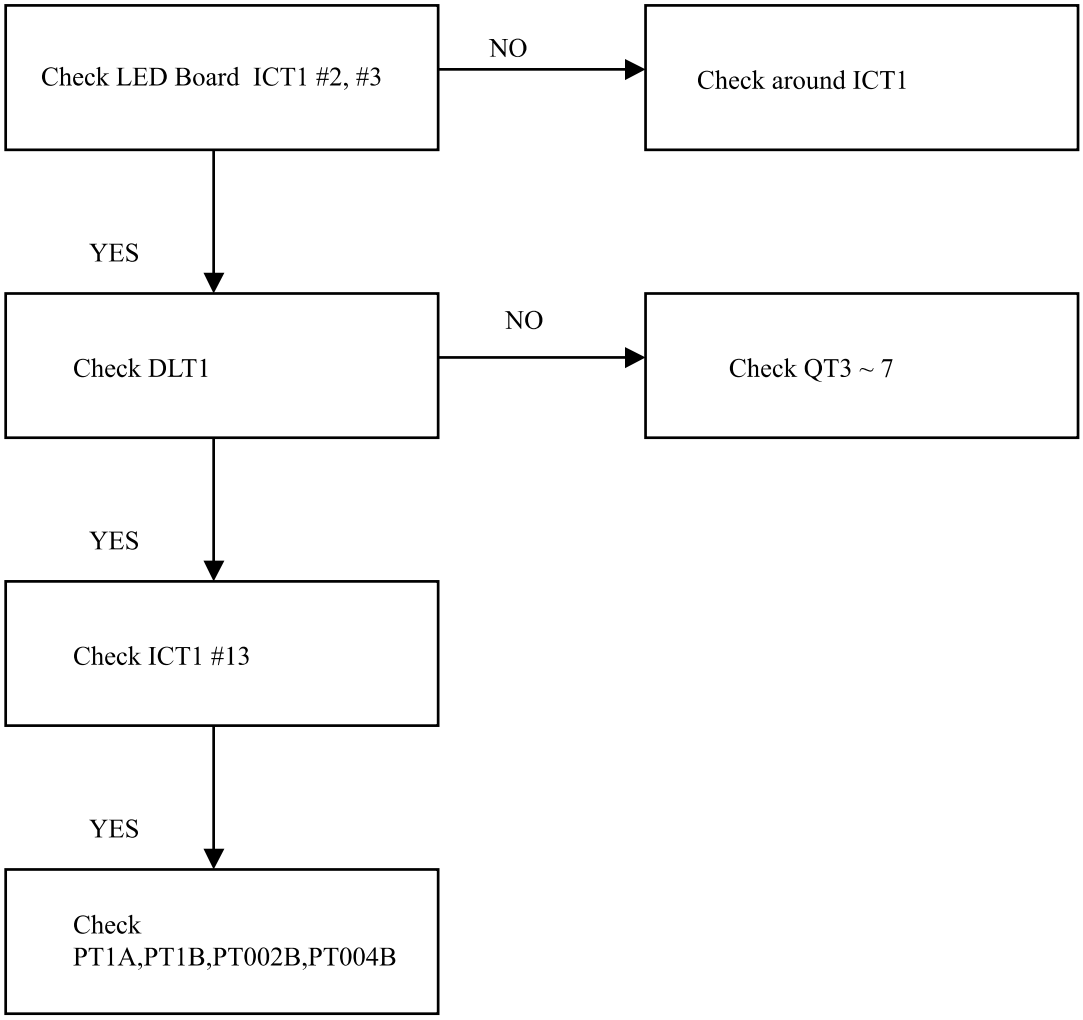
5. NO OSD (ON SCREEN DISPLAY)



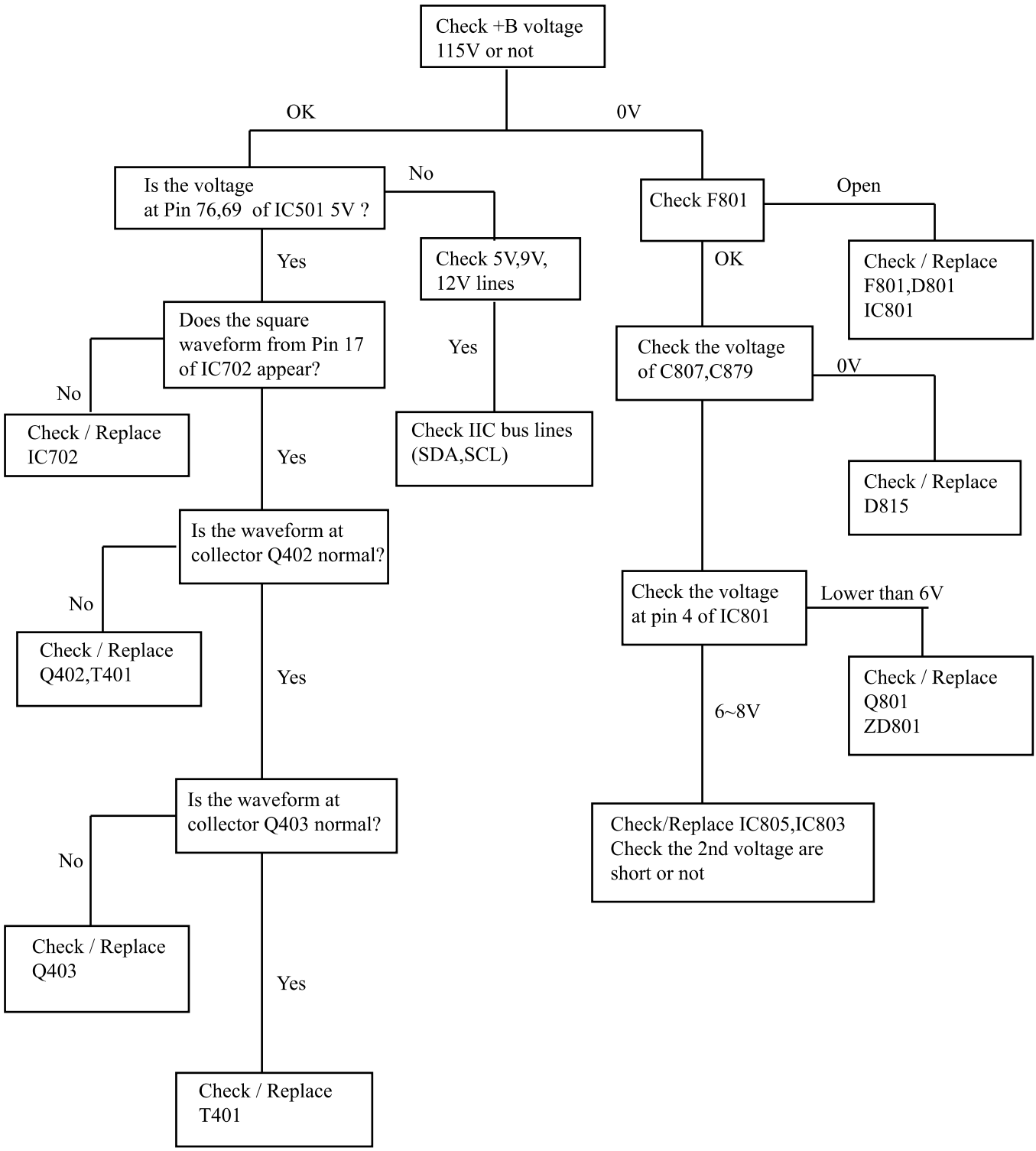
6. NO POWER ON


Check input voltage of
IC001#6,8,22,40,56,73,75,92
NO
Check SMPS Board
YES
Check IC001 #52,53
(OSC)
NO
Replace X001
YES
Check IC001 #11,12 (SCL,SDA)
NO
Replace Q003, Q004
YES
Check IC001 #44 (ABN)
LOW
Check Abnormal Circuit
HIGH
Check IC001 #34 (IR),
#31~38 (Key In)
NO
Check P004A connector

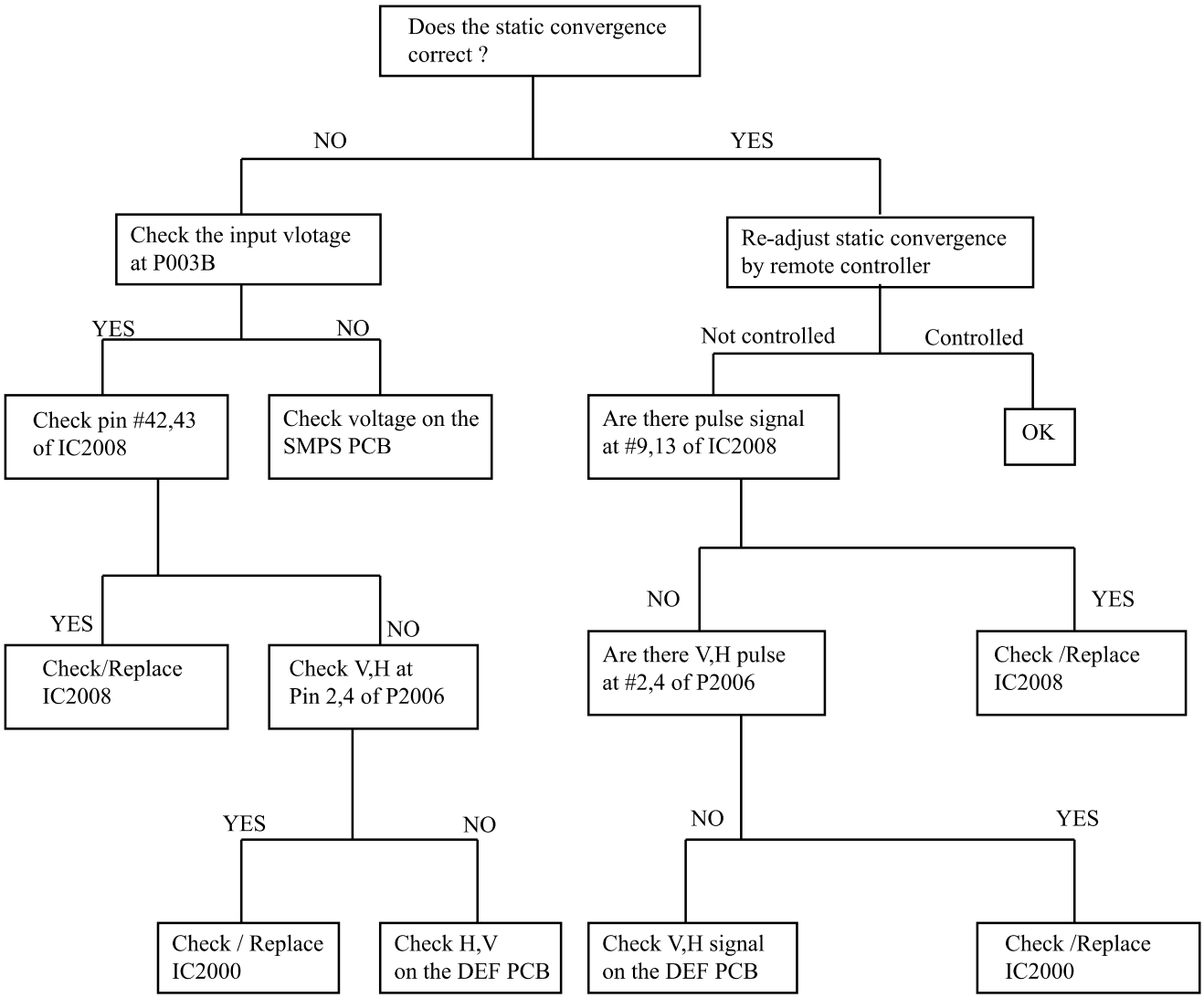
7. NO LED OPERATION



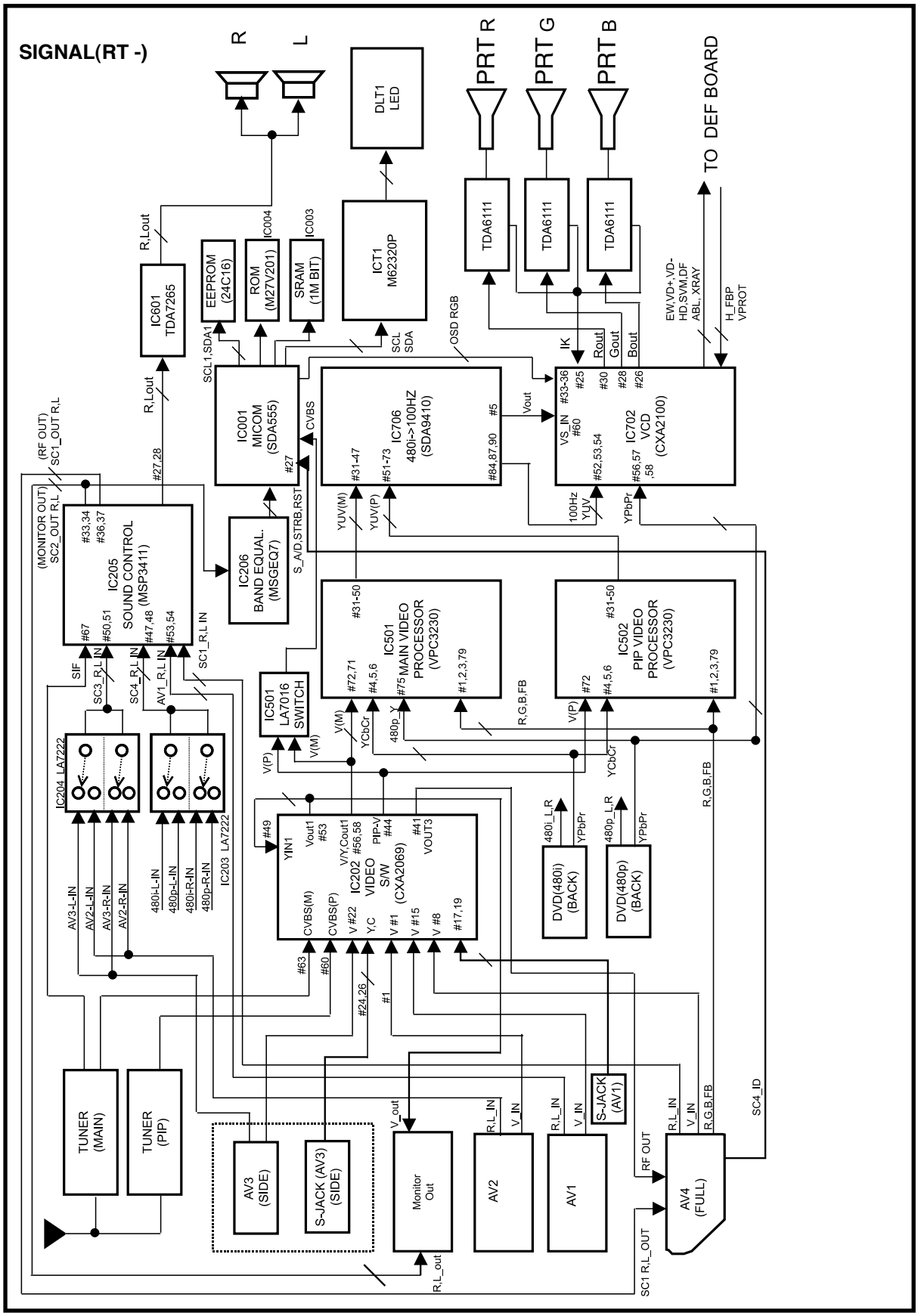
8.NO RASTER


Check +B voltage 115V or not
OK
0V
Is the voltage at Pin 76,69 of IC501 5V ?
No
Yes
Check 5V,9V, 12V lines
Yes
Check IIC bus lines (SDA,SCL)
Does the square waveform from Pin 17 of IC702 appear?
No
Check / Replace IC702
Yes
Is the waveform at collector Q402 normal?
No
Check / Replace Q402,T401
Yes
Is the waveform at collector Q403 normal?
No
Check / Replace Q403
Yes
Check / Replace T401
Check F801
Open
Check / Replace F801,D801 IC801
OK
Check the voltage of C807,C879
0V
Check / Replace D815
Check the voltage at pin 4 of IC801
Lower than 6V
Check / Replace Q801 ZD801
6~8V
Check/Replace IC805,IC803 Check the 2nd voltage are short or not

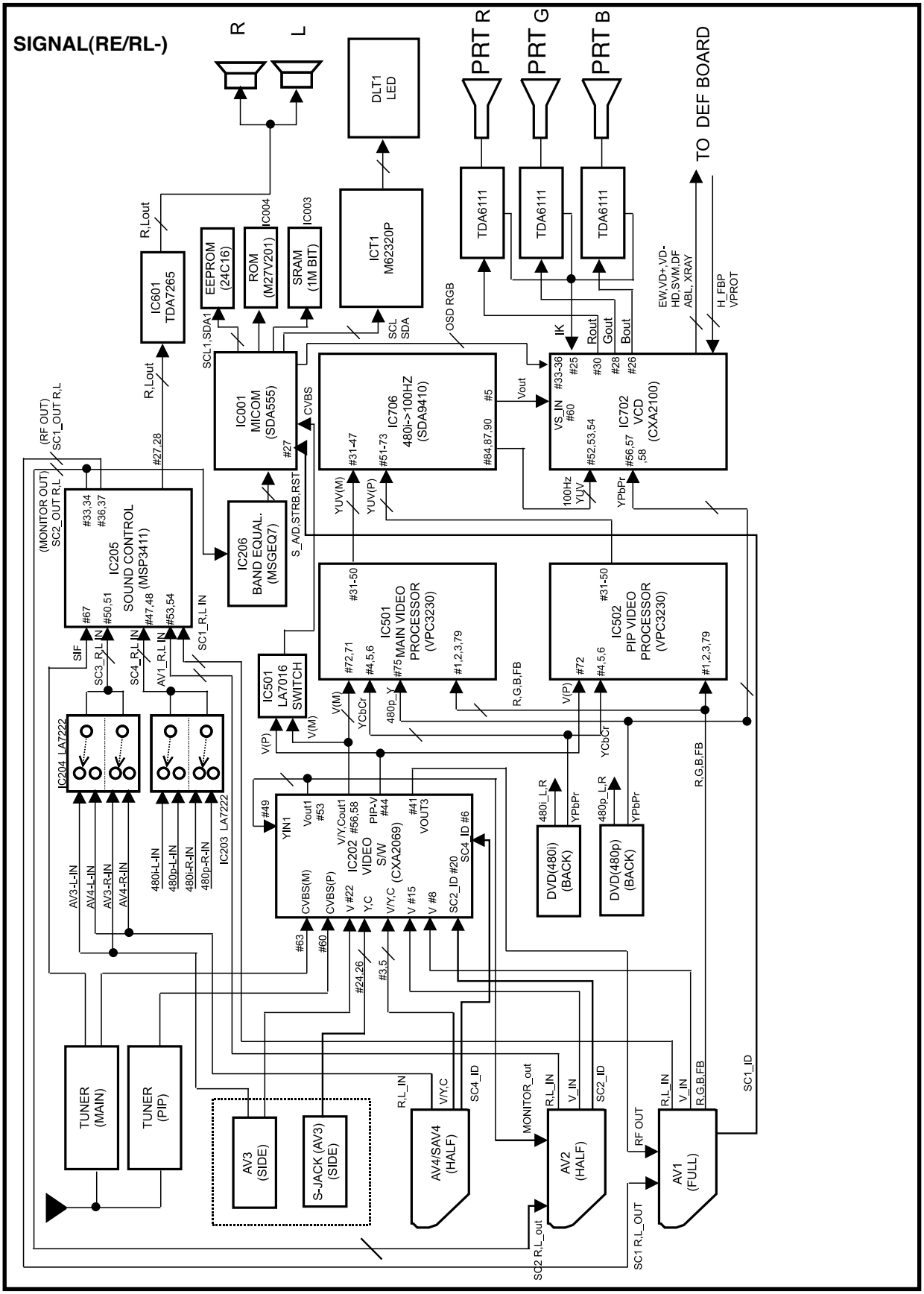
9. INCORRECT CONVERGENCE



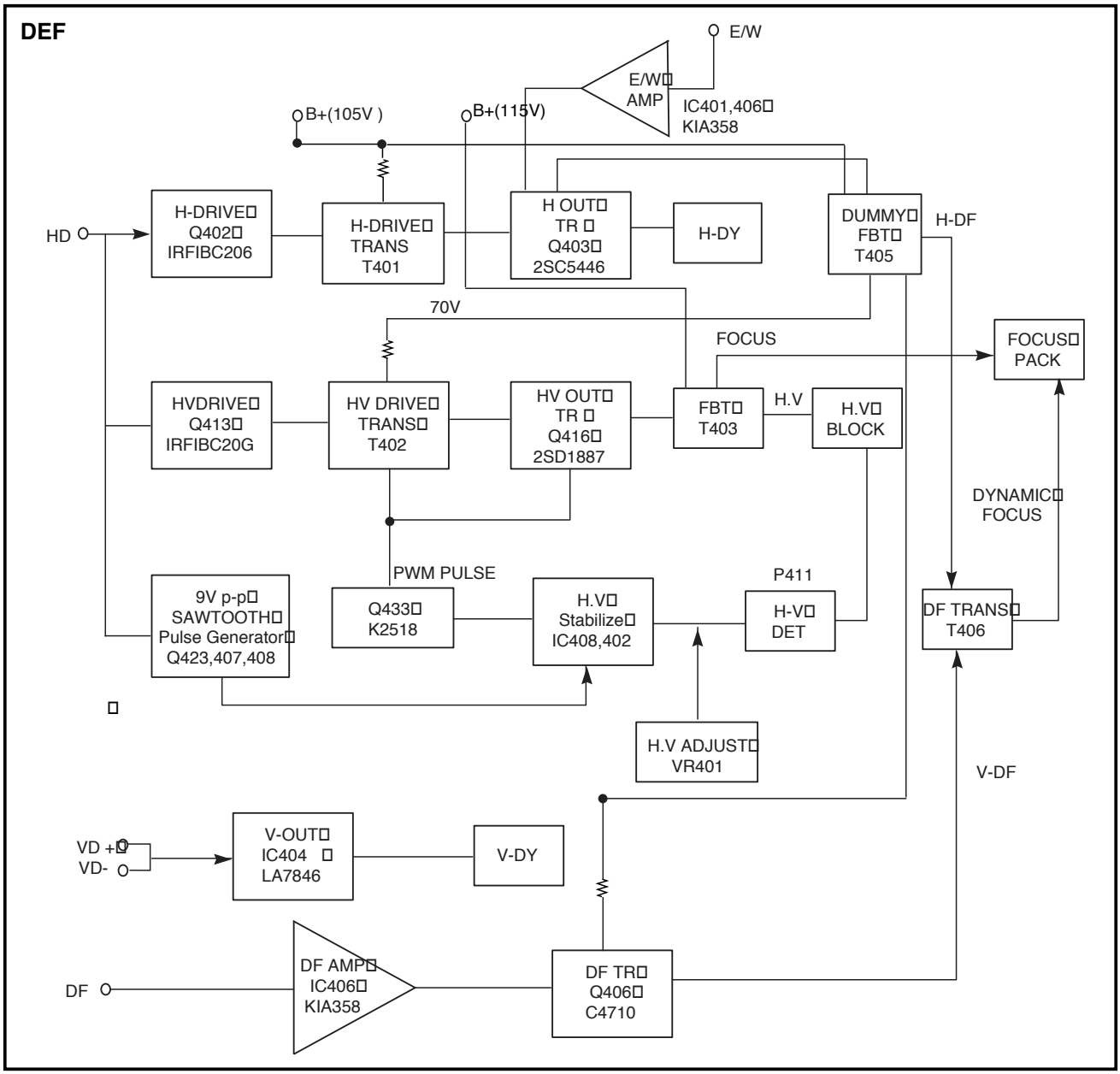
BLOCK DIAGRAM



BLOCK DIAGRAM



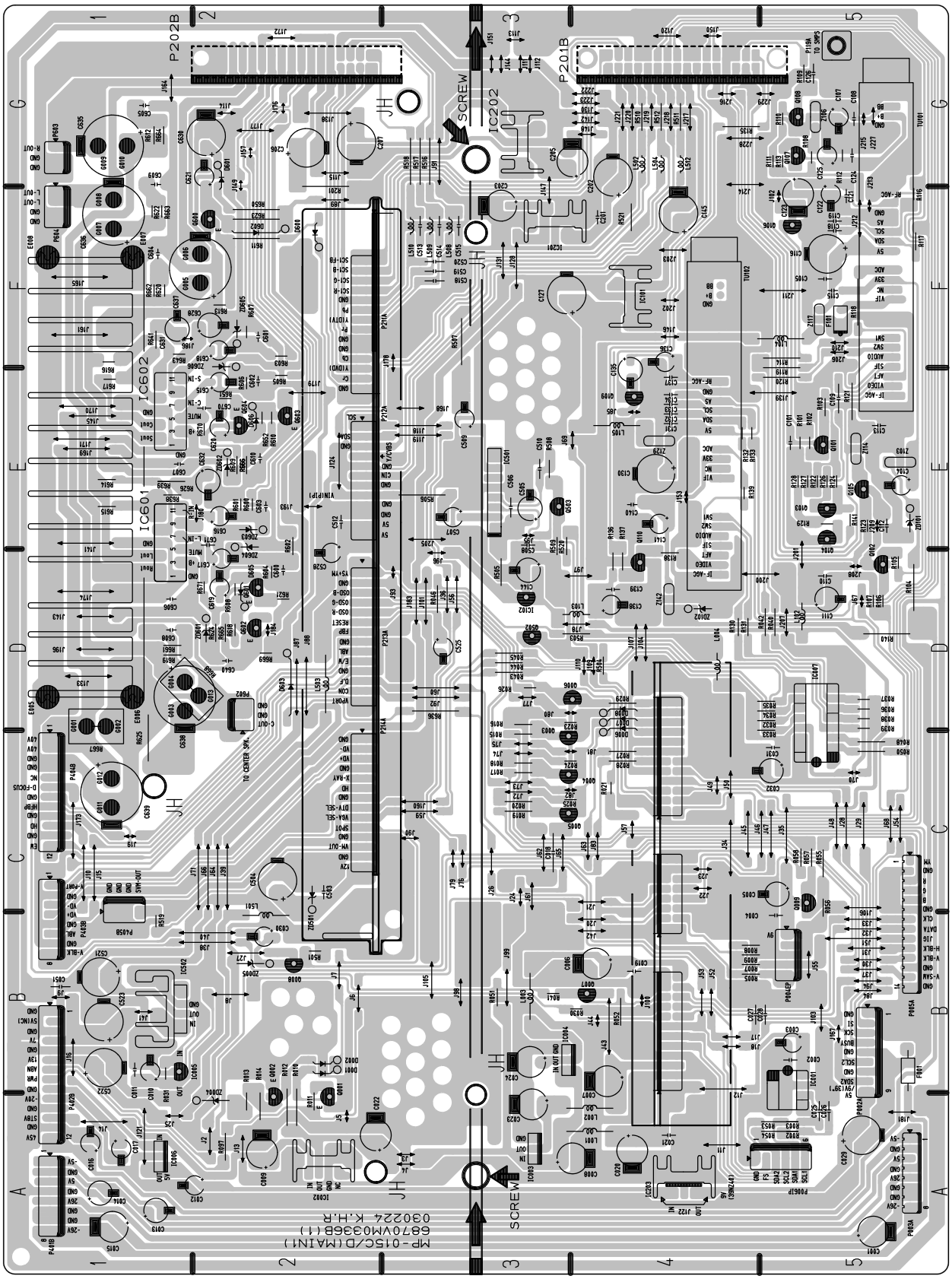
BLOCK DIAGRAM



MEMO

PRINTED CIRCUIT BOARD

MAIN1



COMPONENT LOCATION GUIDE(MAIN1)

C001.....A5
C002.....B5
C003.....B5
C004.....B5
C005.....C5
C006.....B4
C007.....B4
C008.....A4
C009.....A2
C010.....B1
C011.....B1
C012.....A2
C013.....A1
C014.....A1
C015.....A1
C016.....A1
C017.....A1
C018 .....C3
C019.....B4
C020.....A4
C021.....A4
C022.....A3
C023.....A3
C024.....B3
C025.....A5
C026.....A5
C027.....B4
C028.....B5
C029.....A5
C030.....B2
C031 .....C5
C032 .....C5
C051.....B1
C101.....E5
C104.....E5
C105.....F5
C107 .....G5
C108 .....G5
C109.....E5
C110 .....D5
C111 .....D5
C112.....E5
C113.....E5
C115.....F5
C116.....F5
C118.....F5
C119.....F5
C121.....F5
C122.....F5
C123.....F5
C124 .....G5
C125 .....G5
C126 .....G5
C127.....F4
C130.....E4
C131.....E4
C132.....E4
C133.....E4
C134.....E4
C135.....E4
C136.....F4
C137.....E4
C138 .....D4
C139 .....D4
C140.....E4
C141.....E4
C144 .....D3
C145.....F4
C201.....F4
C202 .....G4
C203.....F3
C205 .....G4
C206 .....G2
C207 .....G2
C503 .....C2
C504 .....C2
C505.....E3
C506.....E3
C507.....E3
C508.....E3
C509.....E3
C510.....E3
C512.....E2
C513.....F3
C514.....F3
C515.....F3
C518.....F3
C519.....F3
C520.....F3
C521.....B1
C522.....B1
C523.....B1
C525 .....D3
C528 .....D2
C600 .....D2
C601.....F2
C602.....E2
C603.....E2
C604.....F1
C605 .....G1
C606 .....D2
C607.....E1
C608 .....D2
C609 .....G1
C610.....E2
C615.....E2
C616.....E2
C617 .....D2
C618.....F2
C619 .....D2
C620.....E2
C621 .....G2
C628.....F2
C630 .....G2
C631.....F1
C632.....E2
C635 .....G1
C636.....F1
C637.....F2
C638 .....D2
C639 .....C1
C640 .....D2
C670.....E2
C671.....E2
D001.....B2
D002.....B2
D006 .....C4
D007 .....D4
D008 .....D4
D600.....F2
D601 .....G2
D602.....F2
D603 .....D2
D605 .....D2
D606.....E2
E005.....D1
E006.....D1
E007.....F1
E008.....F1
F001.....B5
F101.....F5
G001 .....D1
G002 .....D1
G003 .....D2
G004 .....D2
G005.....F2
G006.....F2
G007.....F1
G008.....F1
G009 .....G1
G010 .....G1
G011 .....C1
G012 .....C1
G013 .....D2
IC001.....B5
IC002.....A2
IC003.....A3
IC004.....B4
IC005.....B2
IC006.....A1
IC007 .....C5
IC101.....F4
IC102 .....D3
IC201.....F3
IC202 .....G3
IC203.....A4
IC501.....E3
IC502.....B2
J2 .....A2
J3 .....A3
J4 .....A3
J5 .....A2
J6 .....B2
J7 .....B2
J8 .....B2
J9 .....B1
J10 .....C1
J11 .....A4
J12 .....B4
J13 .....A2
J14 .....A1
J15 .....C1
J16 .....B1
J17 .....B4
J18 .....B4
J19 .....C1
J20 .....B4
J21 .....C4
J22 .....C4
J23 .....C4
J24 .....C3
J25 .....A2
J26 .....C3
J27 .....B2
J28 .....C5
J29 .....C5
J30 .....B5
J31 .....B5
J32 .....B5
J33 .....B5
J34 .....C4
J35 .....C5
J36 .....D3
J37 .....B5
J38 .....B2
J39 .....C2
J40 .....B2
J41 .....B1
J42 .....B4
J43 .....B4
J44 .....B4
J45 .....C4
J46 .....C5
J47 .....C5
J48 .....C5
J49 .....C4
J50 .....C4
J51 .....B5
J52 .....B4
J53 .....B4
J54 .....C5
J55 .....B5
J56 .....D3
J57 .....C4
J59 .....C3
J60 .....D3
J61 .....B3
J62 .....C3
J63 .....C4
J64 .....B2
J65 .....C3
J66 .....B2
J67 .....D5
J68 .....C5
J69 .....E4
J70 .....C5
J71 .....B2
J72 .....C3
J73 .....C3
J74 .....C3
J75 .....C3
J76 .....C3
J77 .....D3
J78 .....D4
J79 .....C3
J80 .....D4
J81 .....C4
J82 .....C4
J83 .....C4
J84 .....B5
J85 .....E4
J87 .....D2
J88 .....D2
J89.....F2
J90 .....C3
J91.....F3
J92 .....D3
J93 .....D3
J94 .....B5
J95 .....E3
J96 .....D3
J97 .....D4
J98 .....B3
J99 .....B3
J100 .....B4
J101 .....D3
J102.....F5
J103 .....B5
J104 .....D4
J105 .....B3
J106 .....C5
J107 .....D4
J109 .....D4
J110 .....D4
J111 .....G3
J112 .....G3
J113 .....G3
J114 .....G2
J115 .....G2
J118 .....E3
J119 .....E3
J120 .....G4
J121 .....A1
J122 .....A4
J124 .....E2
J128.....F3
J130 .....G4
J131.....F3
J133 .....D1
J138 .....G2
J139 .....E5
J141 .....E1
J142 .....G4
J143 .....D1
J144 .....G3
J145 .....E1
J146.....F4
J147 .....G3
J148 .....G4
J149.....F2
J150 .....G4
J151 .....G3
J153 .....E4
J157 .....G2
J160 .....C3
J161.....F1
J164 .....G1
J165.....F1
J167 .....B5
J168 .....E3
J169 .....E1
J170 .....E1
J171 .....E1
J172 .....G2
J173 .....C1
J174 .....D1
J176 .....G2
J177 .....G2
J178 .....E3
J179 .....E2
J180 .....E2
J181 .....A5
J183 .....D3
J184 .....D2
J186.....F2
J193 .....E2
J196 .....D1
J200 .....D5
J201 .....E5
J202.....F4
J203.....F4
J205 .....E3
J206.....F5
J207 .....D5
J208 .....D5
J209 .....E5
J210.....F5
J211.....F5
J212.....F5
J213.....F5
J214 .....G5
J215 .....G5
J216 .....G4
J217 .....G4
J218 .....G4
J219 .....G4
J220 .....G4
J221 .....G4
J222 .....G4
J223 .....G4
J227 .....G5
J228 .....G5
J229 .....G5
L001 .....A4
L002 .....A4
L003 .....B3
L004 .....D4
L102 .....D5
L103 .....D4
L104 .....F5
L105 .....E4
L501 .....B2
L502 .....G4
L503 .....D2
L504 .....G4
L508 .....F3
L509 .....F3
L510 .....F3
L512 .....G4
P602.....D2
P603 .....G1
P604 .....F1
P002A B5
P003A A5
P004EP ..B5
P005A C5
P006IP ...A5
P119A G5
P201B G4
P202B G2
P211A.....F2
P212A E2
P213A D2
P214A C2
P401B A1
P402B B1
P403B C1
P404B C1
P405B C1
Q001 .....A2
Q002 .....B2
Q003 .....C4
Q004 .....C4
Q005 .....C4
Q006 .....D3
Q007 .....B4
Q008 .....B2
Q009 .....C5
Q101 .....E5
Q102 .....D5
Q103 .....E5
Q104 .....E5
Q105 .....E5
Q106.....F5
Q107 .....G5
Q108 .....G5
Q109 .....E4
Q110 .....D4
Q502 .....D3
Q503 .....E3
Q600.....F2
Q601 .....D2
Q602 .....D2
Q603 .....E2
Q604 .....E2
R002.....A5
R003.....A5
R005.....B5
R007.....B5
R008.....B4
R009.....B4
R010.....A2
R011.....A2
R012.....A2
R013.....A2
R014.....B2
R015 .....C3
R016 .....D3
R017 .....C3
R018 .....C3
R019 .....C3
R020 .....C3
R021 .....C4
R023 .....D4
R024 .....C4
R025 .....C3
R026 .....D3
R027 .....C4
R028 .....C4
R029 .....D4
R030.....B4
R031.....B1
R032 .....D5
R033 .....D5
R034 .....D5
R035 .....D5
R036 .....D5
R037 .....D5
R038 .....D5
R039 .....D5
R040 .....D5
R041.....B4
R042 .....D5
R043 .....D3
R044 .....D3
R045 .....D3
R046 .....D3
R048 .....C5
R050 .....C5
R051.....B3
R052.....B4
R053.....A5
R054.....A5
R055 .....C5
R056 .....C5
R057 .....C5
R058 .....C5
R097.....A2
R101.....E5
R102.....E5
R103.....E5
R104 .....D5
R105 .....D5
R106 .....D5
R107 .....D5
R108 .....G5
R109 .....G5
R110 .....G5
R111 .....G5
R112 .....G5
R113 .....G5
R114.....F5
R116.....F5
R117.....F5
R118.....F5
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R122.....E5
R123.....E5
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R132.....E4
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R135 .....G5
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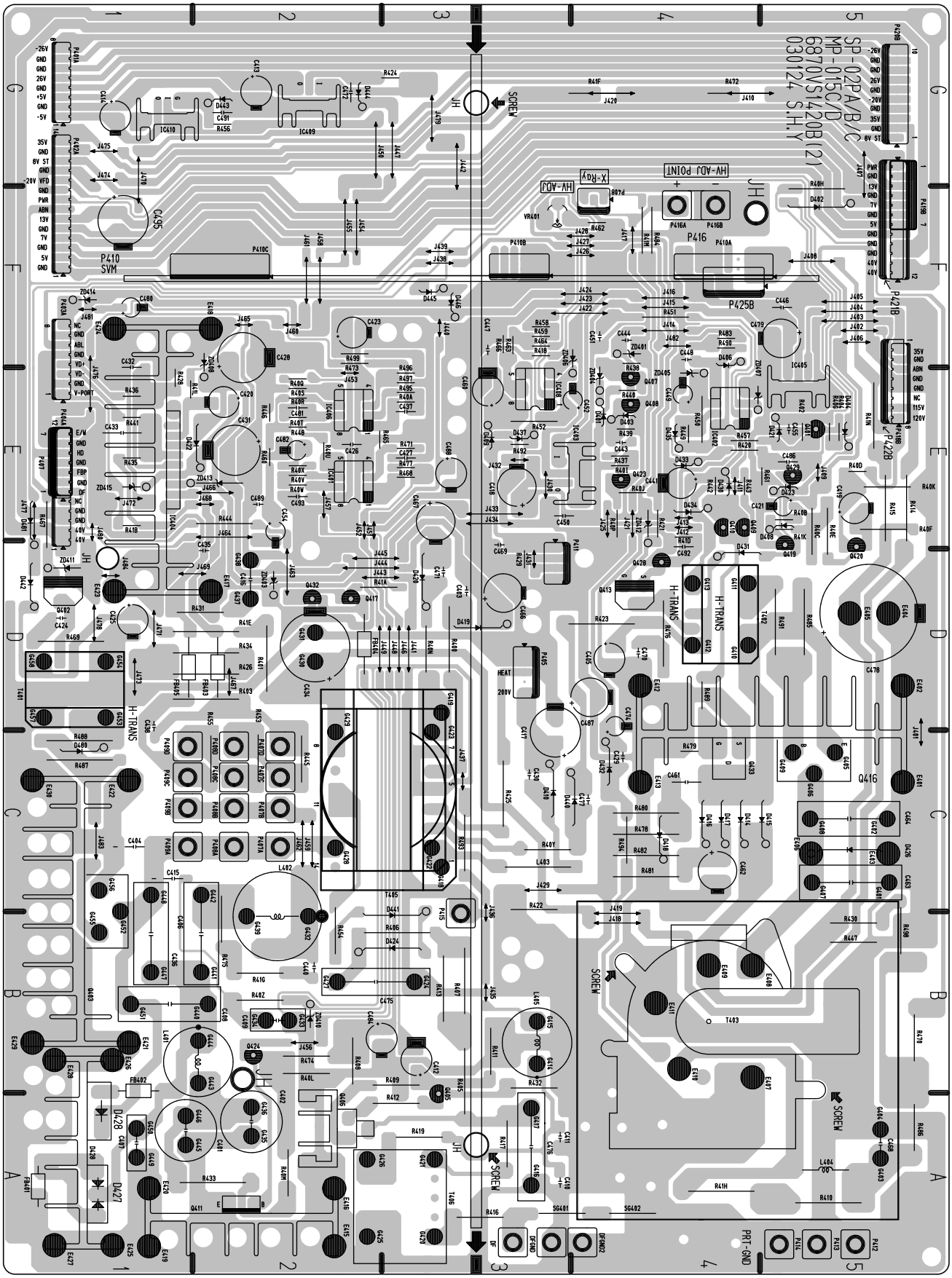
R138 .....D4
R139.....E4
R140 .....D5
R141.....E5
R201 .....G2
R501.....B2
R503 .....D4
R504 .....D4
R505 .....D3
R506.....E3
R507.....F3
R508.....E3
R509 .....D3
R510 .....G4
R511 .....G4
R512 .....G4
R516.....F3
R517.....F3
R518.....F3
R519 .....C1
R520 .....D4
R521.....F4
R600.....E2
R601.....E2
R602 .....D2
R603.....F2
R604 .....D2
R605.....E2
R606.....E2
R607.....F2
R608 .....D2
R609.....E2
R610.....E2
R611.....F2
R612 .....G1
R613.....F2
R614.....E1
R615.....E1
R616.....F1
R617.....E1
R618 .....D2
R619 .....D2
R620.....F1
R621 .....D2
R622.....F1
R623.....F2
R624 .....D2
R625 .....C1
R626.....E2
R636 .....D3
R638.....E2
R639.....E1
R641.....F1
R643.....F2
R650.....F2
R651.....E2
R652.....E2
R661 .....D2
R662.....F1
R663.....F1
R664 .....G1
R665 .....D2
R666.....E2
R667 .....D1
R668 .....D2
R669 .....D2
R670.....E2
R671 .....D2
TU101 ....G5
TU102.....F4
Z103.....E5
Z106.....G5
Z114.....E5
Z117 .....F5
Z129.....E4
Z142.....D4
ZD004 ....A2
ZD005 ....B2
ZD101 ....E5
ZD102 ....D4
ZD501 ....C2
ZD601 ....D2
ZD602 ....E2
ZD603 ....E2
ZD604 ....E2
ZD605.....F2
ZD606.....F2

MAIN2 (DEF)


SP-02PA/B/C
MP-015C/D
6870VS1420B(2)
03012+ S.H.Y
P410
SVM
P416
P425B
P422B
P421B
HV-ADJ
HV-ADJ POINT
X-Ray
H-TRANS
SCREW
HEAT
200V
PRT-GND

COMPONENT LOCATION GUIDE(DEF)

C401.....A2
C402.....A2
C403 .....D3
C404 .....C1
C405 .....D4
C406.....B2
C407.....A1
C408.....B2
C409.....B2
C410.....A3
C411.....A3
C412.....B3
C413 .....G2
C414 .....G1
C415 .....C2
C416 .....D2
C417 .....D3
C418.....E3
C419.....E5
C420.....E2
C421.....E5
C423.....F2
C424 .....D1
C425 .....D1
C426.....E2
C427.....E3
C428.....F2
C429 .....C4
C430 .....C3
C431.....E2
C432.....F1
C433.....E1
C434 .....D2
C435 .....D2
C436.....B1
C437.....E3
C438 .....C1
C440.....B2
C441.....E4
C443.....E4
C444.....F4
C446.....F5
C447.....F3
C448.....F4
C449.....E4
C450.....E3
C451.....F4
C452.....E4
C454.....E2
C455.....E5
C460.....E3
C461 .....C4
C462 .....C4
C463 .....C5
C464 .....C5
C466 .....D3
C467.....E3
C468.....A5
C469.....E3
C470 .....D4
C471 .....D3
C472 .....G2
C474 .....D4
C475.....B2
C476.....A3
C477 .....C4
C478 .....D5
C479.....F5

C480.....F1
C481.....E2
C482.....E2
C484.....B3
C486.....E5
C487 .....D4
C488.....E3
C489.....E2
C491 .....G2
C492.....E4
C493.....E2
C495.....F1
D401.....E4
D402.....F5
D403.....E4
D404.....E5
D406.....F4
D408.....E5
D409.....E3
D410 .....C3
D414 .....C4
D415 .....C5
D416 .....C4
D417 .....C4
D418 .....C4
D419 .....D3
D420 .....D3
D421.....E5
D422.....E2
D423.....E5
D424.....B2
D426 .....C5
D428.....A1
D430.....E4
D431 .....D4
D432 .....C4
D433.....E4
D434.....E4
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D437.....E3
D440 .....C4
D441 .....C3
D442 .....D1
D443 .....G2
D444 .....G2
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D446.....F3
D480 .....C1
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DF A3
DFGND ..A3
DFGND2 A4
E407.....B4
E408.....B4
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E411.....B4
E412.....D4
E413.....C4
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E416.....A2
E417.....D2
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E420.....A1
E421.....B1
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E424.....F1
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E427.....A1
E428.....B1
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FB402.....B1
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FB405 ....D2
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G404 .....A5
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G436 .....A2
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P407D C2
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P408C C2
P408D C2
P409A C2

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P409C C2
P409D C2
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R493 .....C3
R494 .....C4
R495.....E3
R496.....E3
R497.....E3
R498 .....C5
R499.....F3
R40A E3
R40B E5
R40C.....D5

R40D E5
R40E E5
R40F E5
R40G.....E5
R40H F5
R40I.....E4
R40J.....E4
R40K E5
R40L.....B2
R40M.....A2
R40N.....D3
R40P E4
R40Q.....E2
R40R E2
R40S E2
R40T E2
R40U E2
R40V E2
R40W E2
R40X E2
R40Y C4
R40Z B2
R41A D3
R41B E1
R41D E4
R41E D1
R41F G3
R41G.....B2
R41H A5
R41K E5
R41L.....E2
R41M.....F4
R41N E5
SG401 ....A4
SG402 ....A4
T401.....D1
T402.....D4
T403.....B4
T405.....C3
T406.....A3
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TP7.....E1
TP8 .....G1
TP9 .....G1
TP10.....F1
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TP13 .....G1
TP14 .....G1
VR401 ....F3
ZD401.....F4
ZD403 ....D2
ZD404 ....E4
ZD405 ....E4
ZD406 ....E4
ZD407 ....E5
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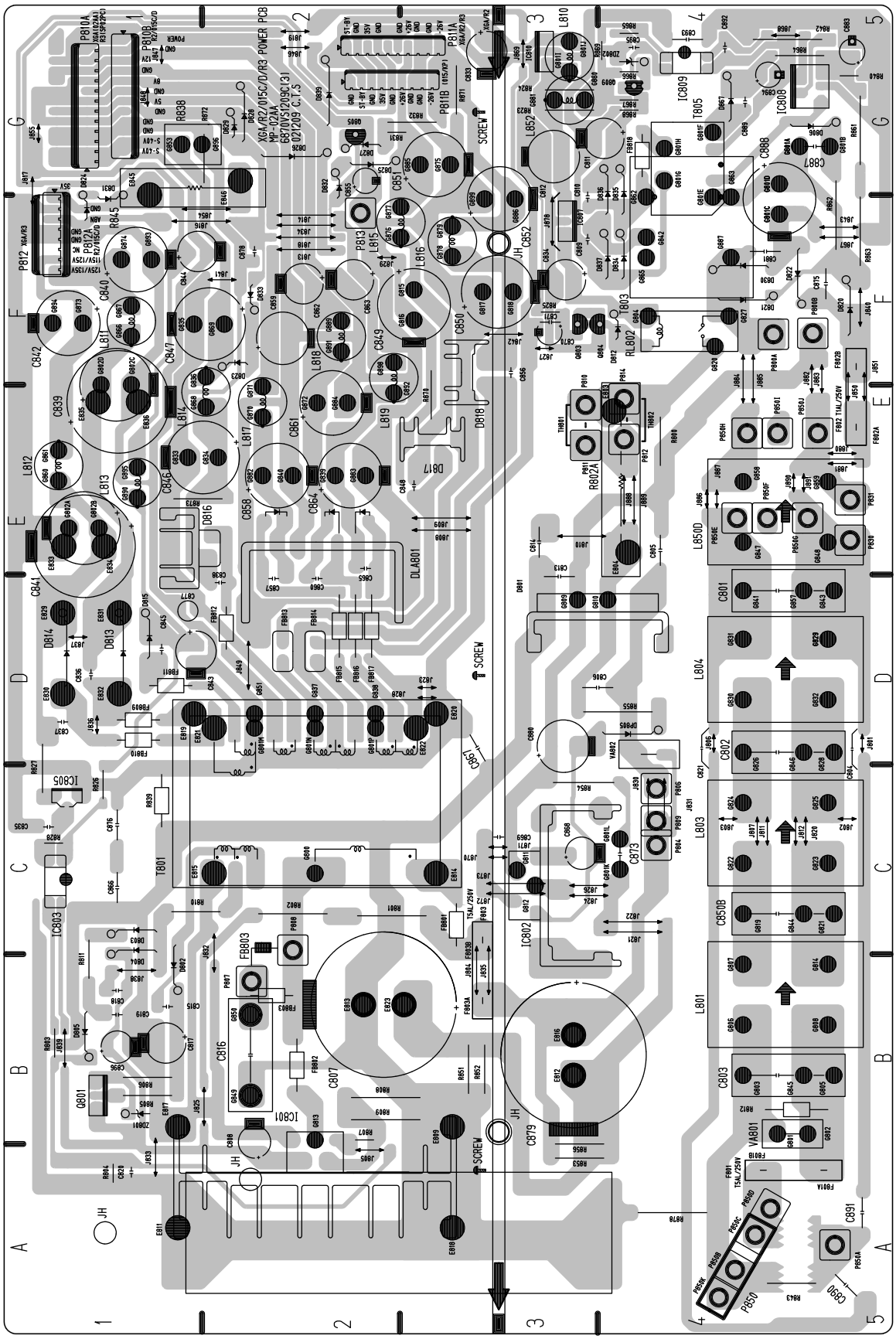
ZD411 ....D1
ZD412 ....E4
ZD413 ....E2
ZD414.....F1
ZD415 ....E1

SMPS



COMPONENT LOCATION GUIDE(SMPS)

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C803.....B5
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C808.....B2
C809.....F3
C810.....F3
C811 .....G4
C812 .....G3
C813 .....D3
C814.....E3
C815.....B1
C816.....B2
C817.....B1
C818.....B1
C819.....B1
C820.....A1
C821 .....C4
C833 .....G3
C834.....F3
C835 .....C1
C836 .....D1
C837 .....D1
C838 .....D2
C839.....E1
C840.....F1
C841.....E1
C842.....F1
C843 .....D2
C844.....F2
C845 .....D1
C846.....E2
C847.....F2
C848.....E3
C849.....F3
C850.....F3
C851 .....G3
C852.....F3
C855 .....G2
C856.....F3
C857 .....D2
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C859.....F2
C860 .....D2
C861.....E2
C862.....F2
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C864.....E2
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C866 .....C1
C867 .....C3
C868 .....C4
C869 .....C3
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C871.....F3
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C875.....F5
C876 .....C1
C877 .....D1
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C879.....B3
C880 .....D3
C881.....F4
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C887 .....G5
C888.....F4
C889 .....G4
C890.....A5
C891.....A5
C892 .....G4
C893 .....G4
C894 .....G4
C895 .....G4
C896.....B1
C850B....C5
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D803 .....C1
D804 .....C1
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D839 .....G2
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DLA801 ..E2
DP805....D4
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G802C....F1
G802D....F1
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IC805 .....C1
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IC808 .....G5
IC809 .....G4
IC810 .....G3
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R812.....B4
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R825.....F3
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R828 .....C1
R831 .....G2
R832 .....G2
R838 .....G2
R839 .....C1
R840 .....G5
R842 .....G4
R843.....A5
R845 .....G2
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R852.....B3
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R854 .....C4
R855 .....D4
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R862 .....G5
R863 .....G5
R864 .....G4
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R866 .....G4
R867 .....G4
R868 .....G4
R869 .....G4
R870.....E3
R871 .....G3
R872 .....G2
R873.....E2
R878.....A4
R802A E4
RL802.....F4
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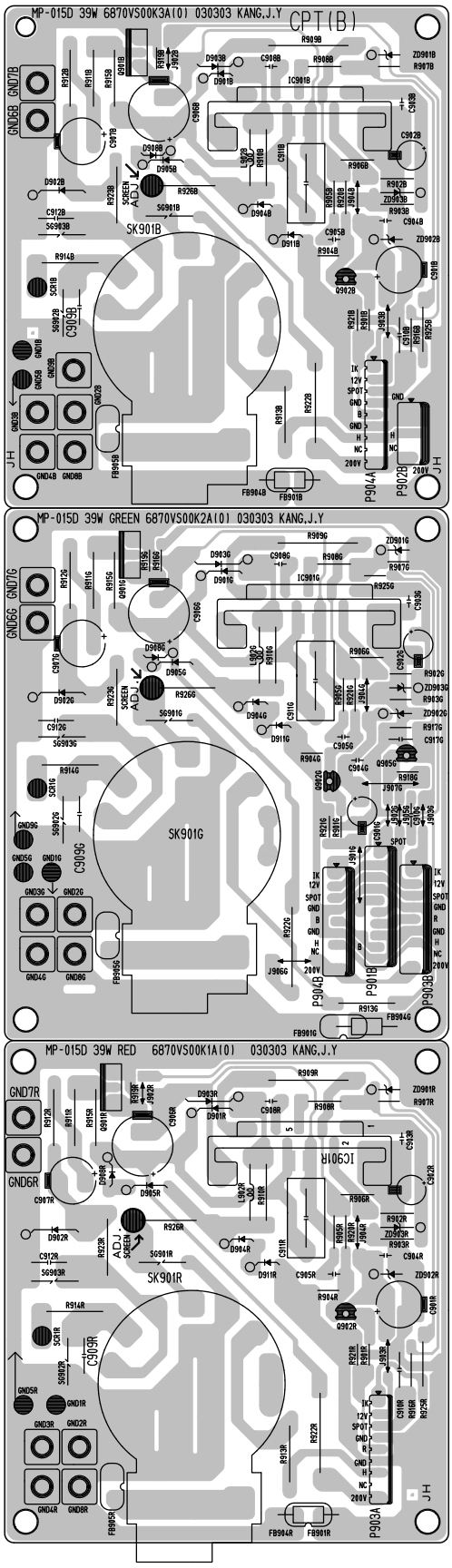
PRT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CPT(B)
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SK901G
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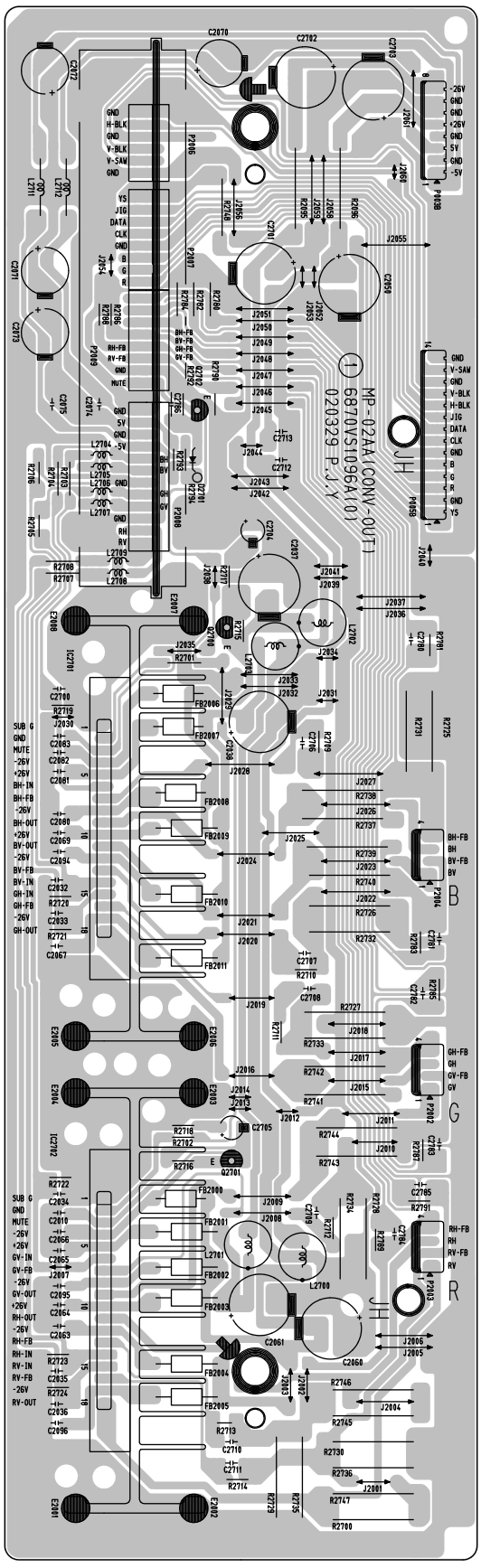
SK901R

CONV-OUT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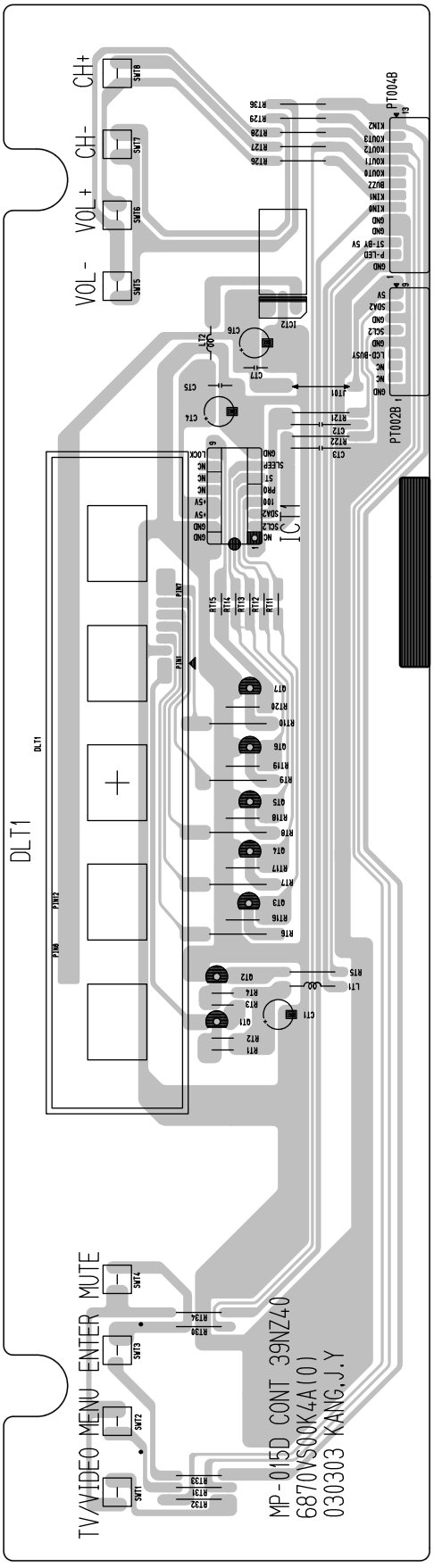
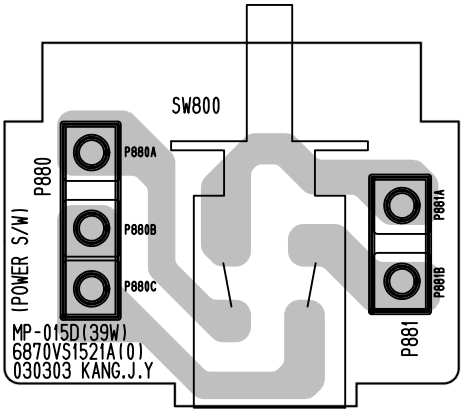
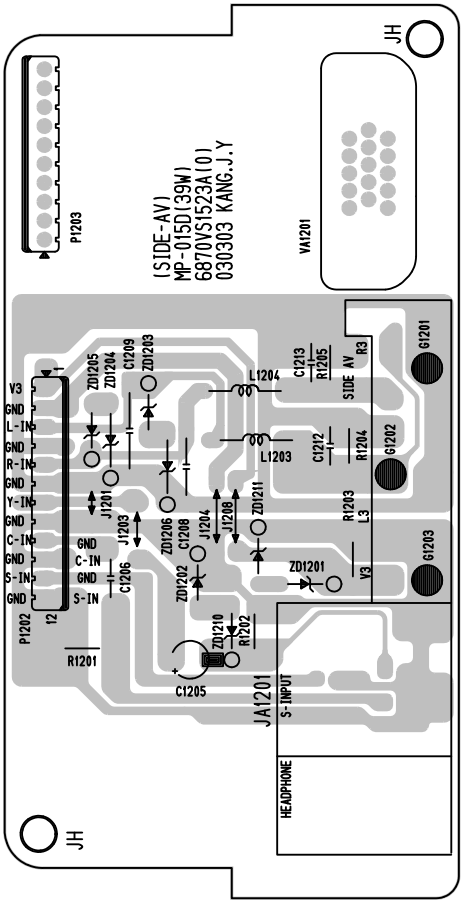
CONTROL



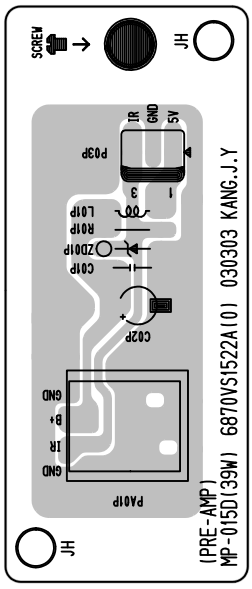
POWER S/W



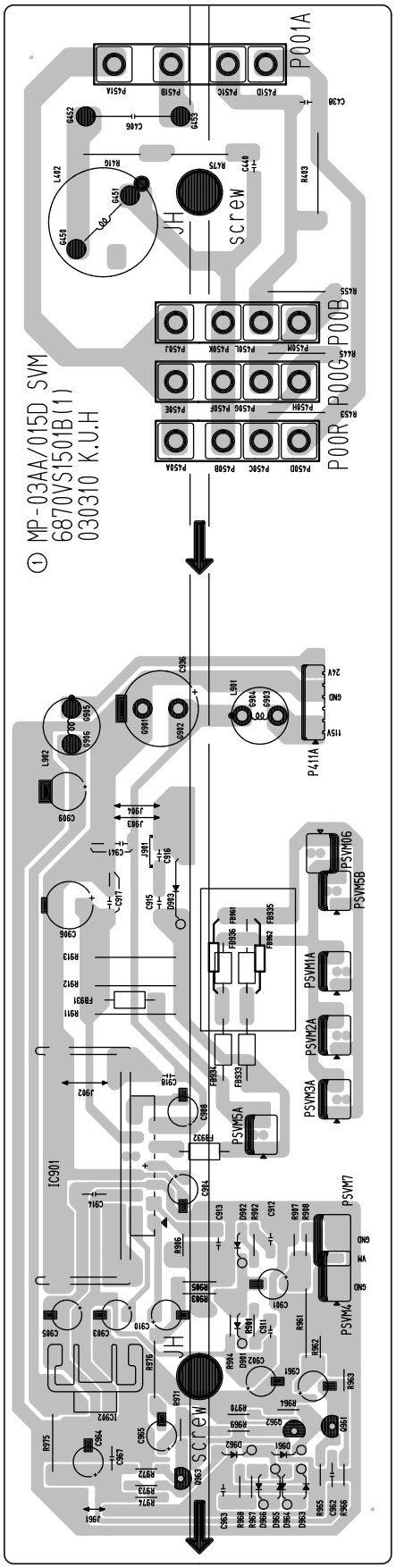
SIDE AV



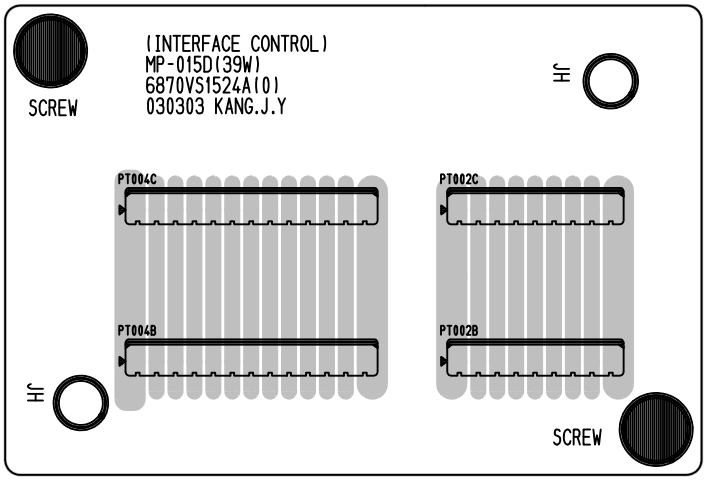
PRE-AMP



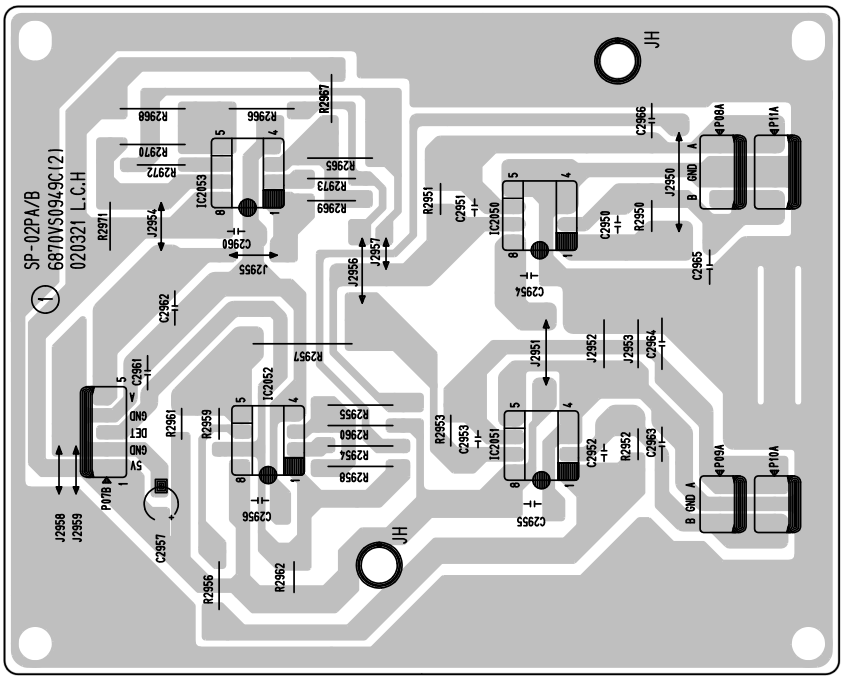
SVM



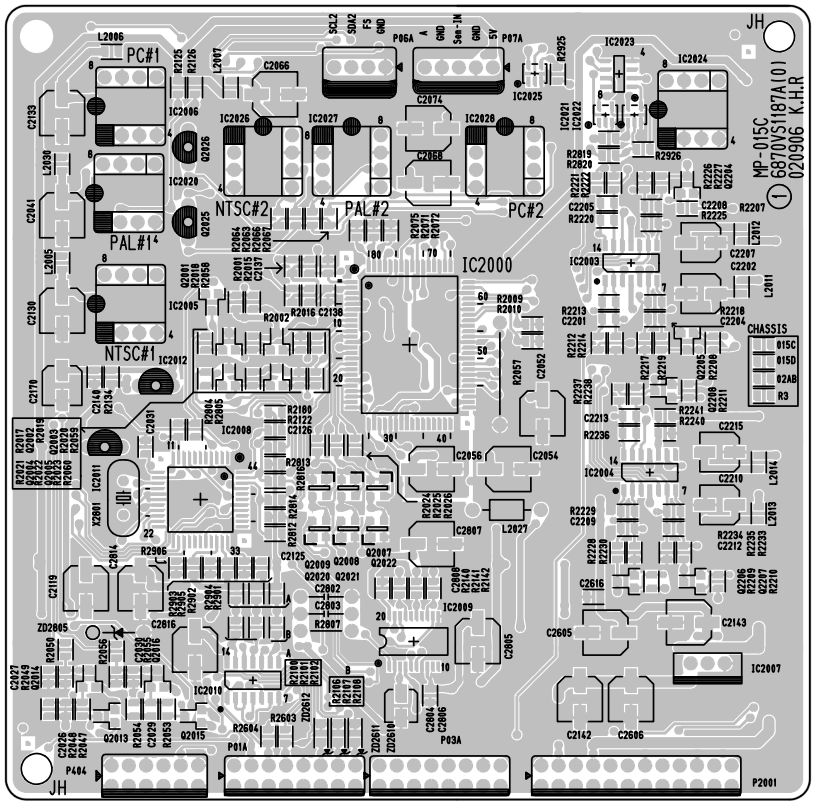
INTERFACE CONTROL



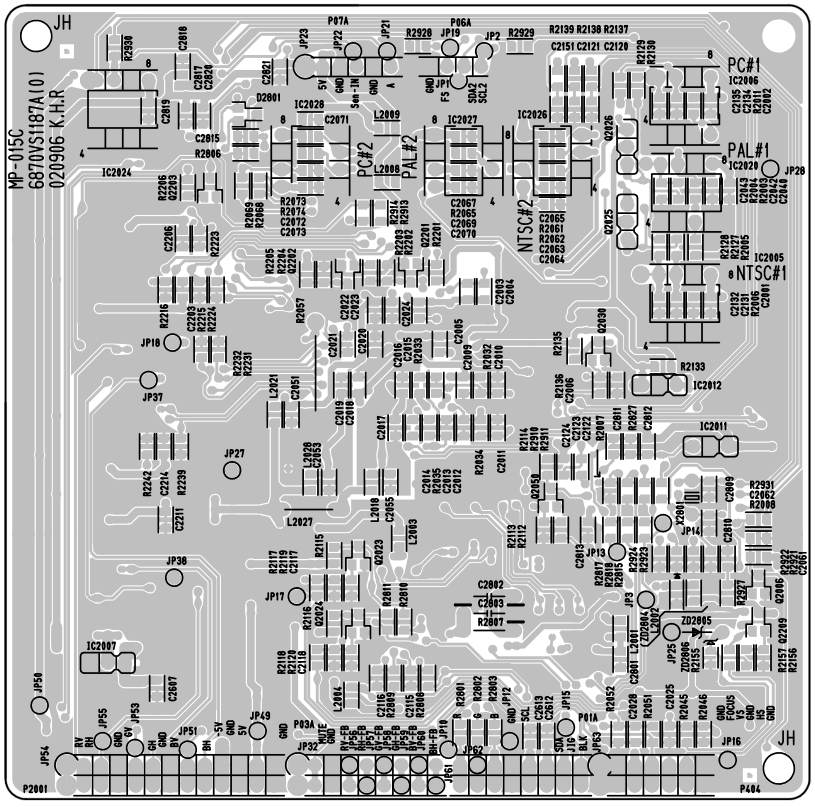
CONVERGENCE INTERFACE



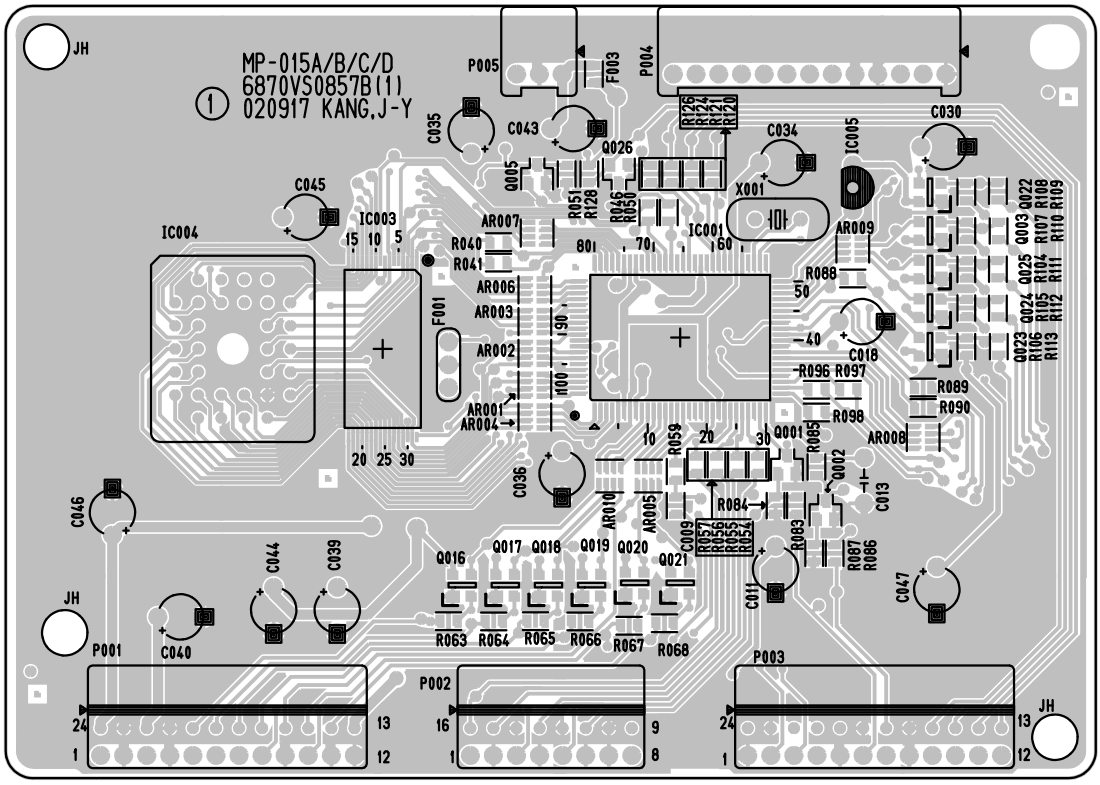
CONVERGENCE (TOP)



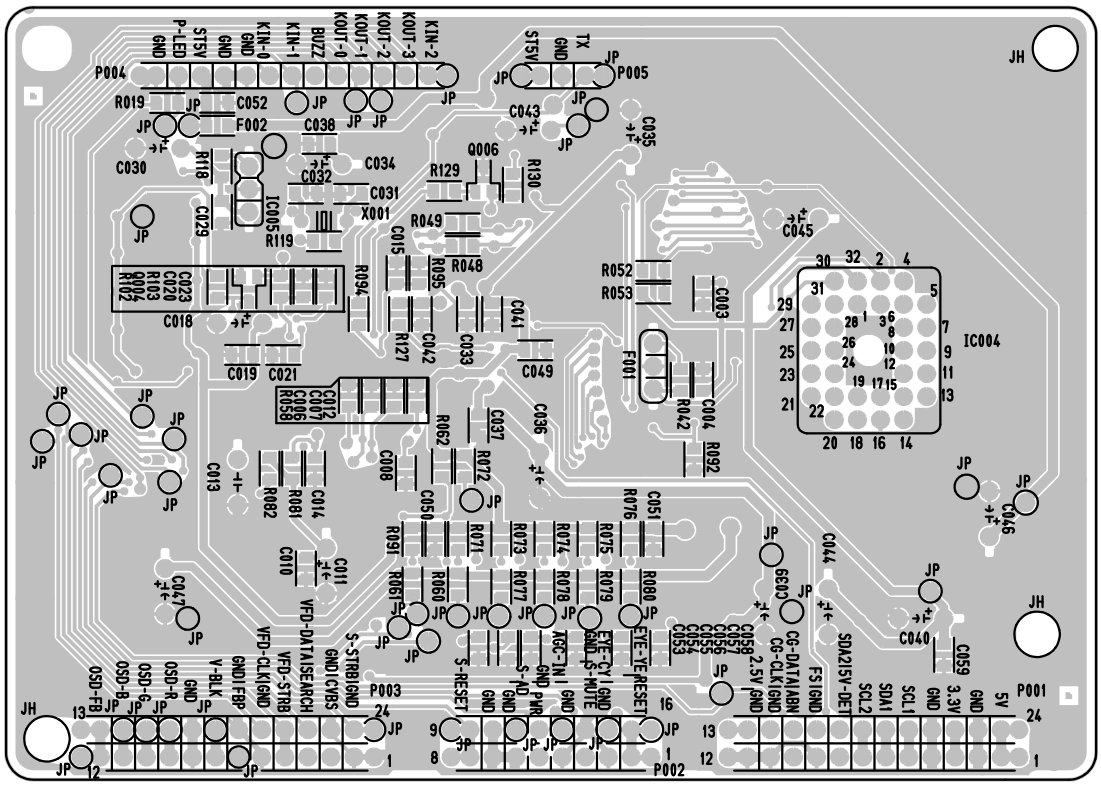
CONVERGENCE (BOTTOM)



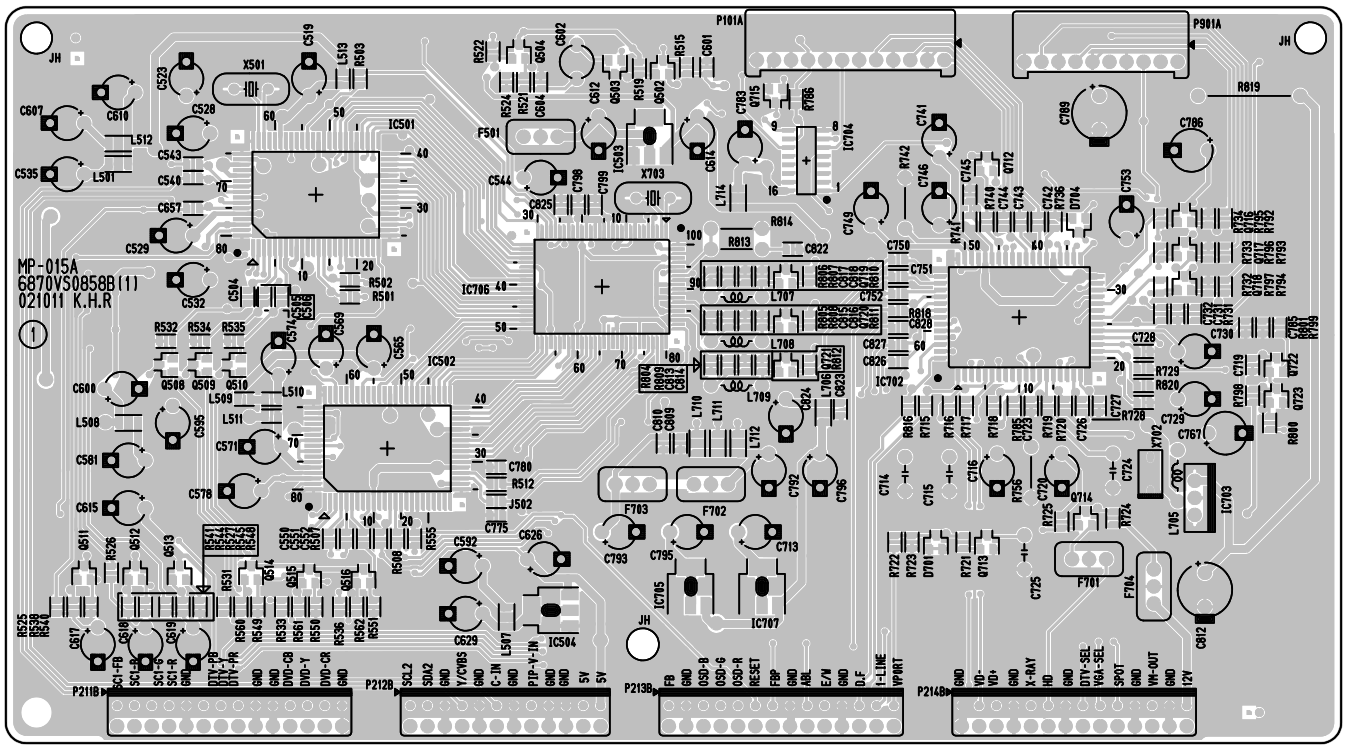
MICOM (TOP)



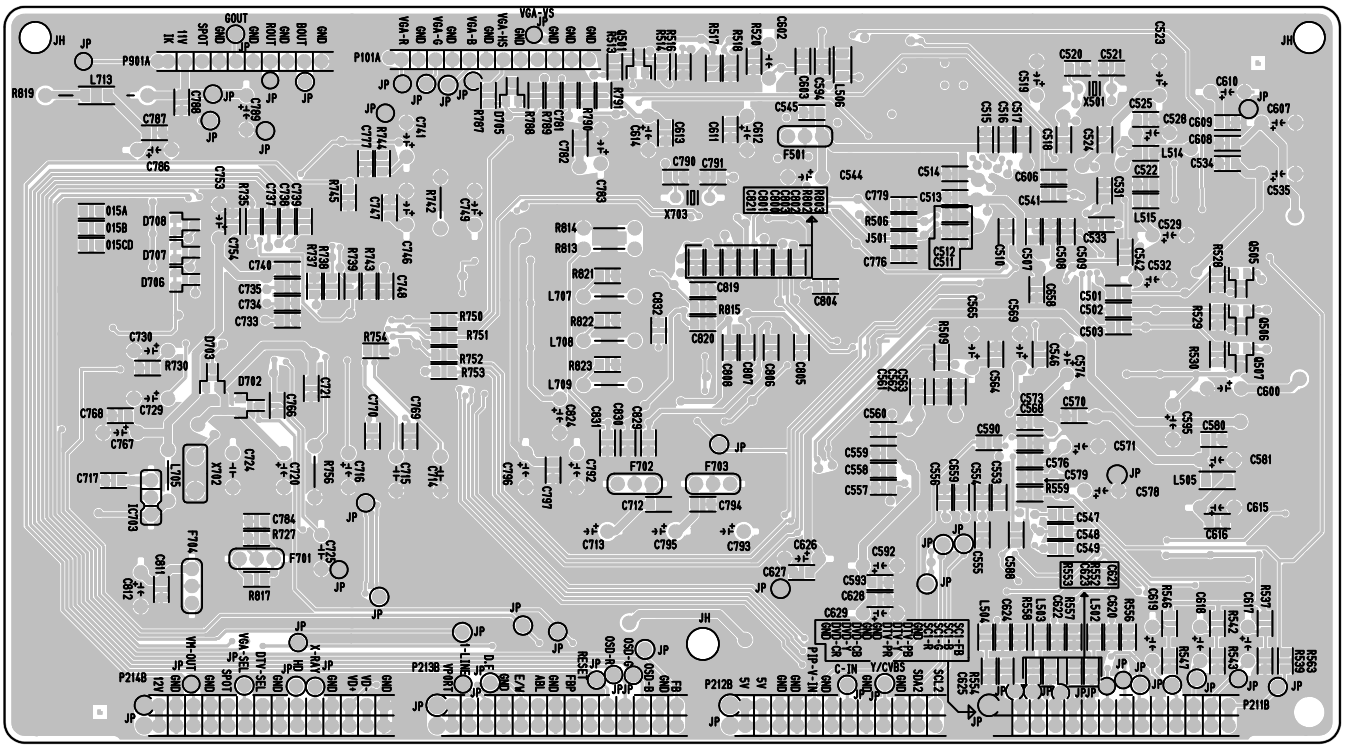
MICOM (BOTTOM)



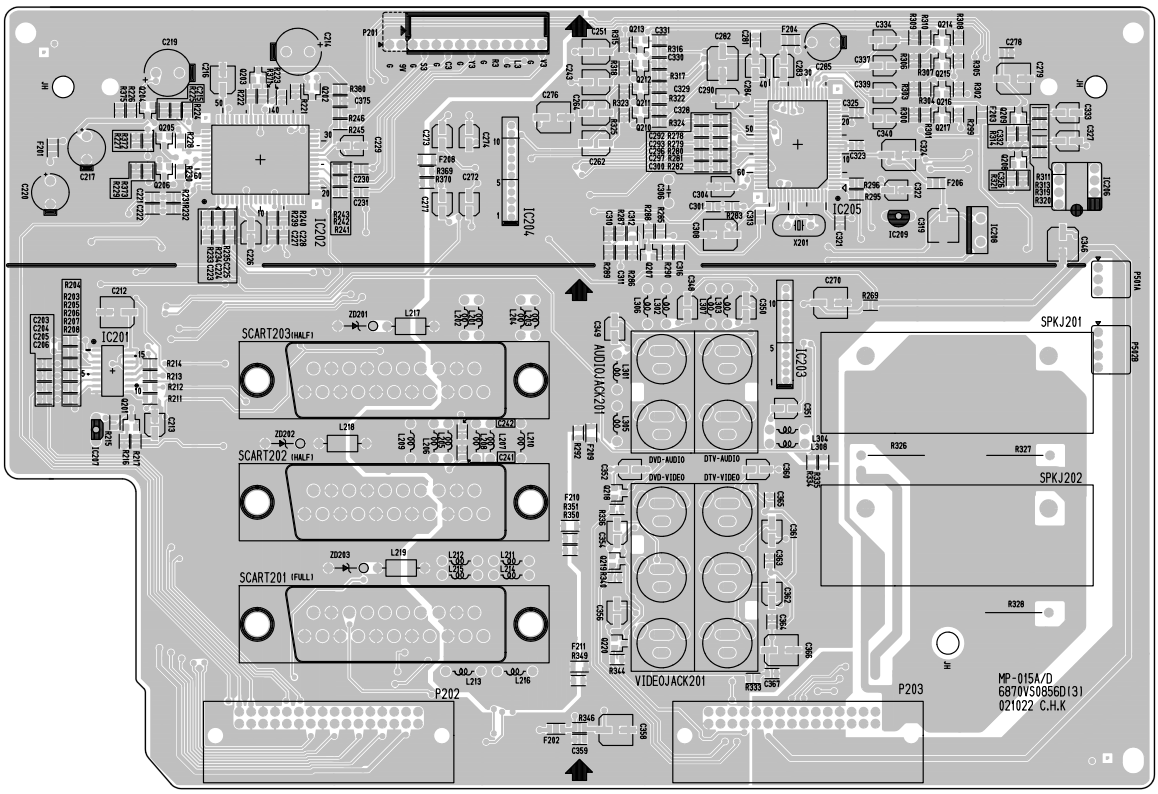
100HZ (TOP)



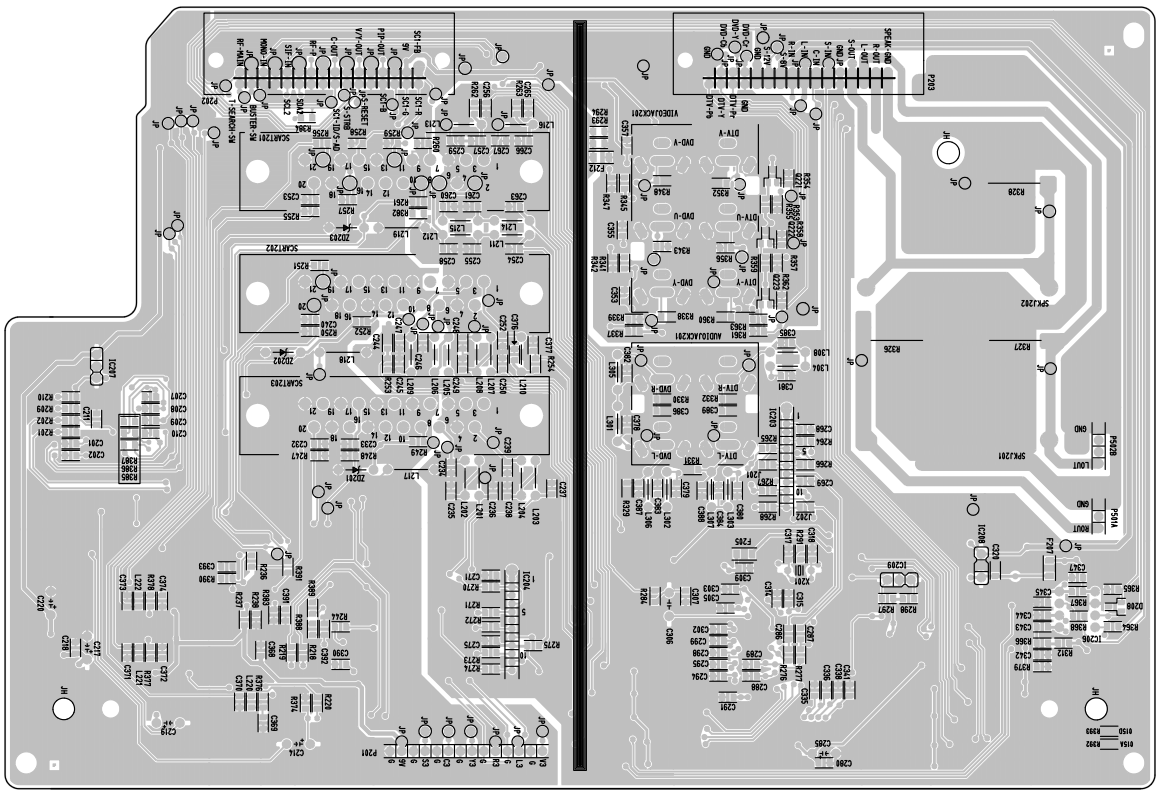
100HZ (BOTTOM)



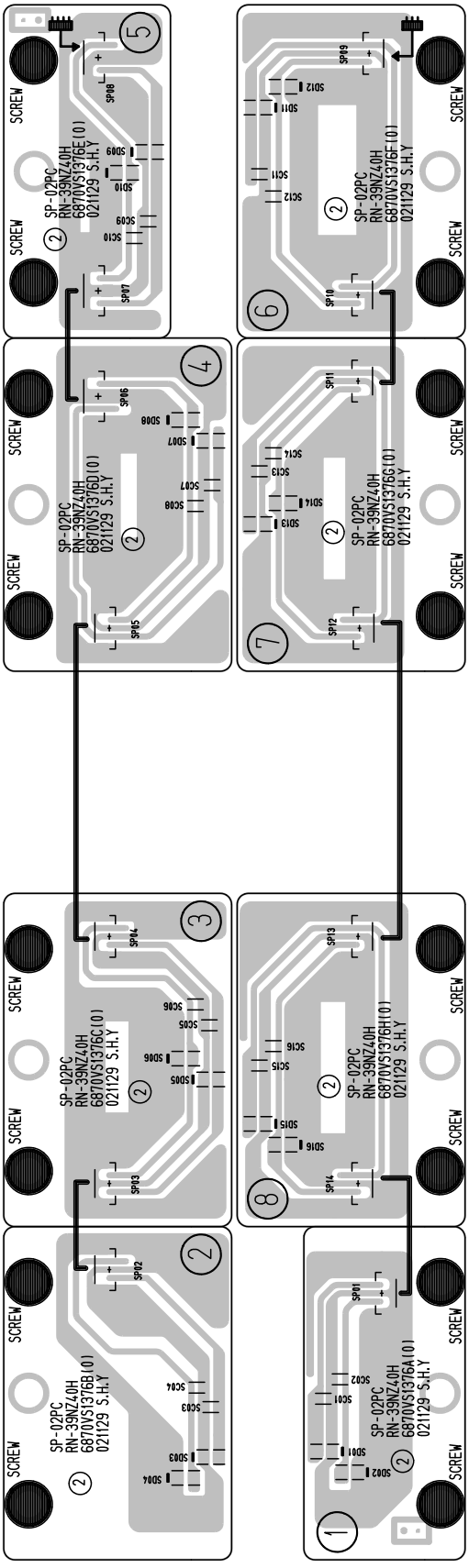
AV (TOP)



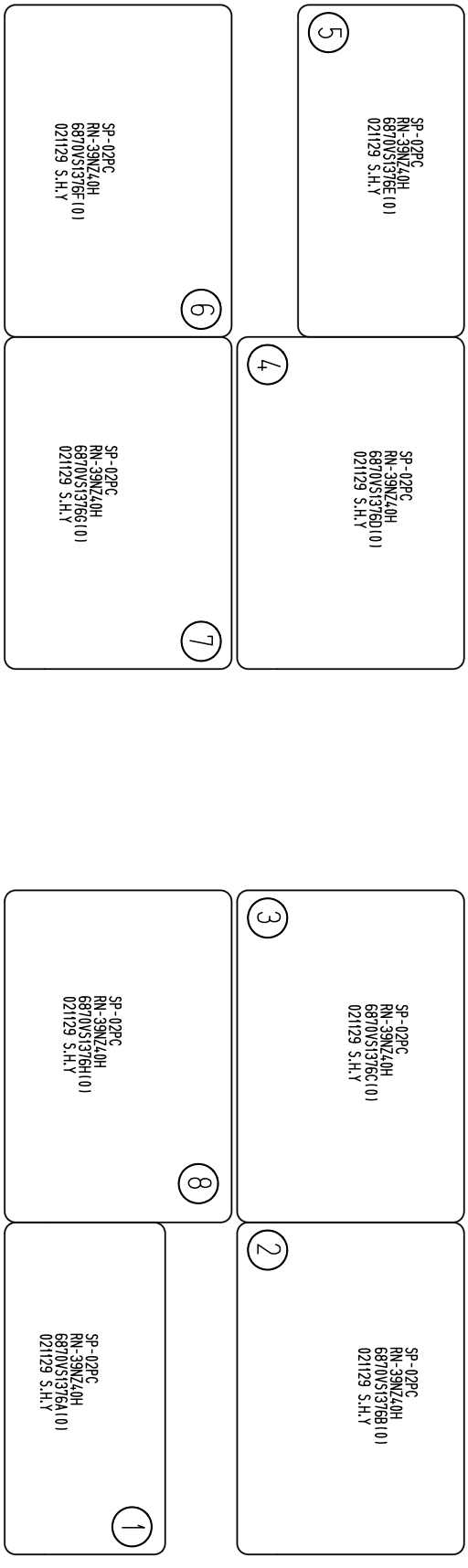
AV (BOTTOM)



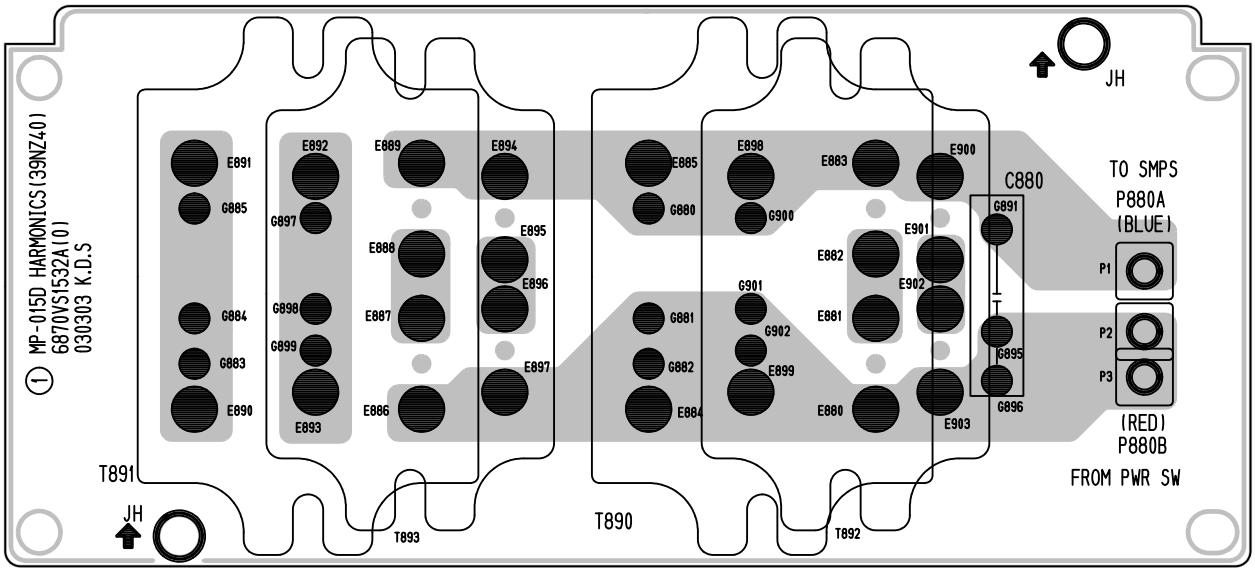
AUTO CVG SENSOR(TOP)



AUTO CVG SENSOR(BOTTOM)

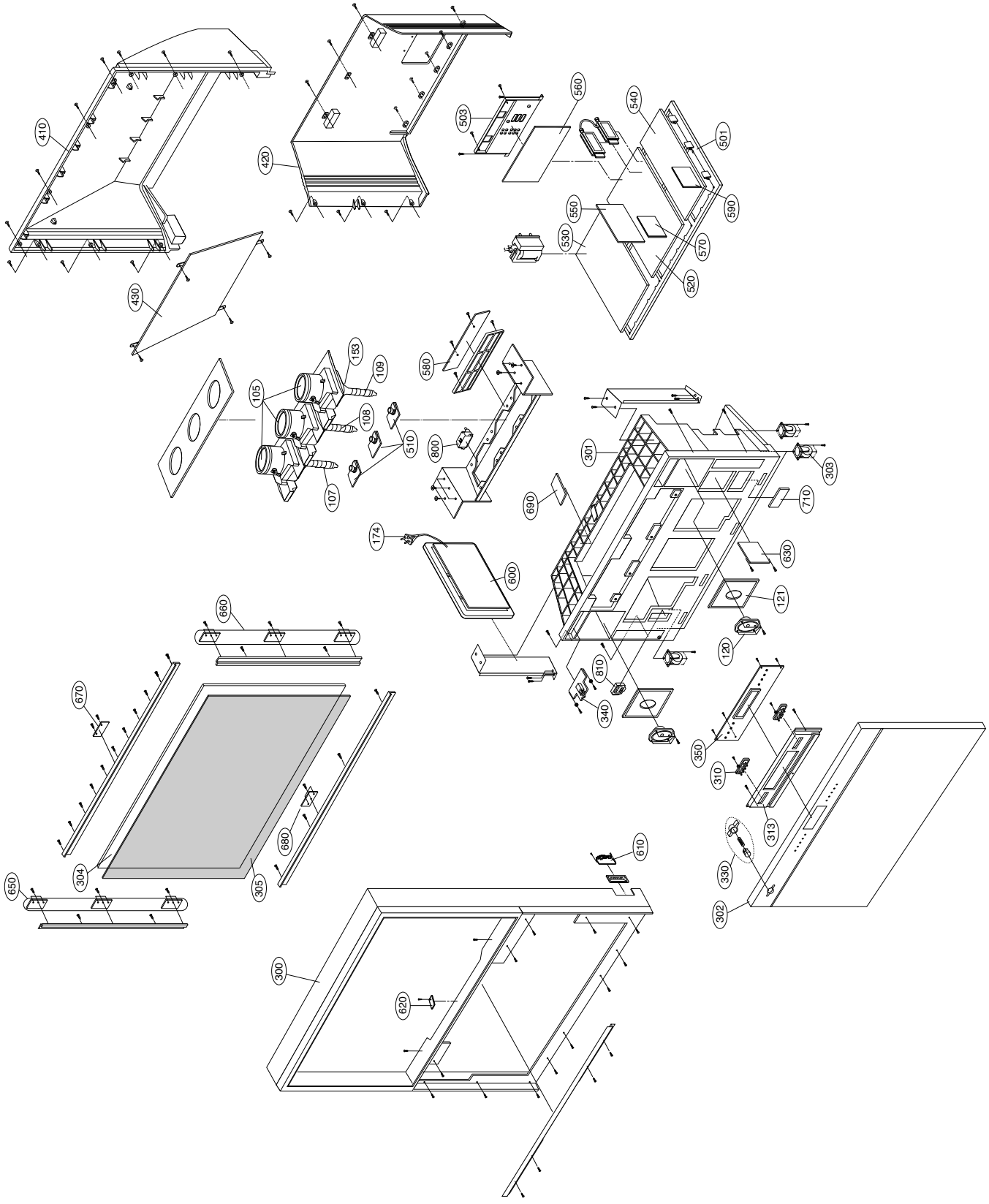


HARMONICS


MP-015D HARMONICS(39NZ40)
6870VS1532A(0)
030303 K.D.S
JH
E891
G885
E892
G897
E889
E894
E888
E895
E887
E896
E886
E897
G884
G898
G899
G883
E890
E893
T891
JH
T893
T890
E885
G880
E898
G900
G881
G901
G902
G882
E899
E884
T892
E883
E900
E882
E901
E881
E902
E880
E903
C880
G891
G895
G896
TO SMPS
P880A
(BLUE)
P1
P2
P3
(RED)
P880B
FROM PWR SW

MEMO

EXPLODED VIEW(RE/RL-39NZ40RB)



The components identified by mark ⚠ are critical for safety.
Replace only with part number specified.

REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION
	IC	
DLA801	0ISK100300A	IC, SLA1003 SIP12 BK DIODE MODULE LF816
IC001	0IAL241610B	IC, AT24C16A-10PI-2.7 8PIN DIP ST EEPROM NON
IC001	0ISM555000A	IC, SDA5550 MQFP100 BK MICOM TXT MC006A
IC002	0ISH052100C	IC, PQ05RD21 4SIP ST REGULATOR -
IC003	0ISS610082A	IC, 1M(8BIT-128K)-SRAM(3.3V),70NS MC-006A
IC003	0ISG111733B	IC, LD1117V33C 3SIP ST REGULATOR -
IC004	0ISG111725B	IC, LD1117V25 3 SIP ST REGULATOR MC006A
IC005	0IFA754207A	IC, KA75420ZTA 3P,TO-92 TP 4.2V RESET IC
IC005	0IFA752700A	IC, KA75270Z 3 TP RE-SET IC MC-007
IC007	0IMCRMI002A	IC, M62320P MITSUBISHI 16DIP ST I/O EXPANDER
IC101	0IKE780500Q	IC, KIA7805API 3P TO-220 ST REGULATOR 5V
IC102	0IKE780900H	IC, KIA78L09BP(AT) 3P 9V,150MA
IC2000	0ICTMSG001A	IC, STV2050A 80PIN TQFP TRAY CONVERGENCE
IC2001	0IPRPSA005A	IC, STK392-570 SANYO 18 ST AMP IC
IC2002	0IPRPSA005A	IC, STK392-570 SANYO 18 ST AMP IC
IC2003	0ITI347000A	IC, LF347D 14P,SOP TP QUAD OPERATIONAL AMP
IC2004	0ITI347000A	IC, LF347D 14P,SOP TP QUAD OPERATIONAL AMP
IC2007	0ISG111733B	IC, LD1117V33C 3SIP ST REGULATOR -
IC2008	0IMCRAL005A	IC, 44PIN TRAY PROGRAM MEMORY
IC2009	0IMI350710A	IC, M35071-002FP 20P,SOP TP OSD IC
IC201	0IKE780900M	IC, KIA7809API TO220 ST 3P 9V REGULATOR
IC201	0IMI623200B	IC, M62320FP,I/O EXPANDER 16P SOP TP I/O
IC2010	0IPH741400E	IC, 74HC14D 14SOP TP SHITTER TRIGGER
IC2011	0IKE744200A	IC, KIA7442P TO-92 NEGA.RESET(4.2V
IC202	0IKE780800J	IC, KIA7808API 3 ST REGULATOR .
IC202	0ISO206900A	IC, CXA2069Q QFP64 BK I2C BUS AV S/W
IC2021	0IPRPTO002A	IC, TC7S14F(T5L,T) TOSHIBA 5P SOP TP SCHMITT
IC2022	0IPRPTO003A	IC, TC7SZ08F TOSHIBA 5P SOP TP AND GATE
IC2023	0IPRPTO004A	IC, TC7W74F TOSHIBA 8P SOP TP D TYPE F/F
IC2024	0IAL241610B	IC, AT24C16A-10PI-2.7 8PIN DIP ST EEPROM NON
IC2025	0IPRPTO002A	IC, TC7S14F(T5L,T) TOSHIBA 5P SOP TP SCHMITT
IC2026	0IMCRAL003B	IC, 8P PDIP ST EEPROM 164K
IC2027	0IMCRAL003B	IC, 8P PDIP ST EEPROM 164K
IC203	0IKE780900M	IC, KIA7809API TO220 ST 3P 9V REGULATOR
IC203	0ISA722200A	IC, LA7222 (1280 AUDIO) - - - -
IC204	0ISA722200A	IC, LA7222 (1280 AUDIO) - - - -
IC205	0IMCRMN001C	IC, 80P QFP TRAY MULTI SOUND DOLBY
IC2050	0IMCRNS003A	IC, 8P DIP BK I/V CONVERTER
IC2051	0IMCRNS003A	IC, 8P DIP BK I/V CONVERTER
IC2052	0ISS290300A	IC, KA2903 8P,DIP BK DUAL COMPARATOR
IC2053	0ISS290300A	IC, KA2903 8P,DIP BK DUAL COMPARATOR
IC206	0IMY700000A	IC, 8P DIP BK 7 BAND GRAPHIC EQ FILTER
IC207	0IKE780500P	IC, KIA78L05BP(AT) 3P 5V,150MA - - - -
IC208	0IKE780500Q	IC, KIA7805API 3P TO-220 ST REGULATOR 5V
IC209	0IFA754207A	IC, KA75420ZTA 3P,TO-92 TP 4.2V RESET IC
IC401	0IKE358000A	IC, KIA358P DIP8 DUAL OP-AMP BK
IC402	0ISS393000G	IC, KA393 COMPARATOR 8DIP BK OP AMP
IC403	0IKE781200P	IC, KIA7812API TO220 ST 3P 12V REGULATOR
IC404	0ISA784600A	IC, 7846 SIP,10P BK V-OUT IC
IC405	0IKE782400C	IC, KIA7824API 3 ST REGULATOR .
IC406	0IKE358000A	IC, KIA358P DIP8 DUAL OP-AMP BK

LOCA. NO	PART NO	DESCRIPTION
IC408	0IKE358000A	IC, KIA358P DIP8 DUAL OP-AMP BK
IC409	0IKE780500Q	IC, KIA7805API 3P TO-220 ST REGULATOR 5V
IC410	0ISS790500C	IC, KA7905 POWER INTEGRATION TO220 BK
IC501	0IIT323000E	IC, VPC3230D C5 80P QFP TRAY VIDEO
IC501	0ISA701600A	IC, LA7016 8S ANALOG S/W - - - -
IC502	0IIT323000E	IC, VPC3230D C5 80P QFP TRAY VIDEO
IC502	0ISH052100C	IC, PQ05RD21 4SIP ST REGULATOR -
IC503	0ISJ111733A	IC, EZ1117CST-3.3 3P,SOT-223 TP 3.3V CHIP
IC504	0ISJ111733A	IC, EZ1117CST-3.3 3P,SOT-223 TP 3.3V CHIP
IC601	0ISG726500A	IC, TDA7265 11P BK PWR AMP 25W,25W
IC702	0ISO210000A	IC, CXA2100AQ 64P QFP BK DEFLECTION
IC703	0IKE780900M	IC, KIA7809API TO220 ST 3P 9V REGULATOR
IC704	0IMCRFA012A	IC, DM74LS157MX FAIRCHILD 16P SOIC R/TP
IC705	0ISJ111733A	IC, EZ1117CST-3.3 3P,SOT-223 TP 3.3V CHIP
IC706	0ISM941000A	IC, SDA9410 100QFP BK SCAN CONVERTER FD-
IC707	0ISJ111733A	IC, EZ1117CST-3.3 3P,SOT-223 TP 3.3V CHIP
IC801	0ISK665813A	IC, STR-F6658B(LF1352) 5PIN SIP BK STR PN-
⚠ IC803	0ILI817000G	IC, LTV817M-VB 4P,DIP BK PHOTO COUPLER
IC805	0ISK110000A	IC, SE110N(LF12) 3P 110V ERROR AMP - - - -
IC807	0IKE780500Q	IC, KIA7805API 3P TO-220 ST REGULATOR 5V
IC808	0ISK615311B	IC, STR-G6153T(LF1101) 5PIN BK STR HN-61A40R
⚠ IC809	0ILI817000G	IC, LTV817M-VB 4P,DIP BK PHOTO COUPLER
IC901	0IZZVF0018C	IC, STK396-130 11P ST SCAN VELOCITY MODU.
IC901B	0IPH611190A	IC, TDA6111Q 9SIP RGB AMP - - - -
IC901G	0IPH611190A	IC, TDA6111Q 9SIP RGB AMP - - - -
IC901R	0IPH611190A	IC, TDA6111Q 9SIP RGB AMP - - - -
IC902	0IKE781200P	IC, KIA7812API TO220 ST 3P 12V REGULATOR
ICT1	0IMCRMI002A	IC, M62320P MITSUBISHI 16DIP ST I/O EXPANDER
ICT2	0IKE780500Q	IC, KIA7805API 3P TO-220 ST REGULATOR 5V
Q2025	0IFA270000A	IC, 3P TP LEVEL SHIFT 60V/0.2A,MC007A
Q2026	0IFA270000A	IC, 3P TP LEVEL SHIFT 60V/0.2A,MC007A
Q401	0IFA754207A	IC, KA75420ZTA 3P,TO-92 TP 4.2V RESET IC
SD01	0IPRPTD001A	IC, BCS5030G1 TDK 2P SMD R/TP SENSOR
SD02	0IPRPTD001A	IC, BCS5030G1 TDK 2P SMD R/TP SENSOR
SD03	0IPRPTD001A	IC, BCS5030G1 TDK 2P SMD R/TP SENSOR
SD04	0IPRPTD001A	IC, BCS5030G1 TDK 2P SMD R/TP SENSOR
SD05	0IPRPTD001A	IC, BCS5030G1 TDK 2P SMD R/TP SENSOR
SD06	0IPRPTD001A	IC, BCS5030G1 TDK 2P SMD R/TP SENSOR
SD07	0IPRPTD001A	IC, BCS5030G1 TDK 2P SMD R/TP SENSOR
SD08	0IPRPTD001A	IC, BCS5030G1 TDK 2P SMD R/TP SENSOR
SD09	0IPRPTD001A	IC, BCS5030G1 TDK 2P SMD R/TP SENSOR
SD10	0IPRPTD001A	IC, BCS5030G1 TDK 2P SMD R/TP SENSOR
SD11	0IPRPTD001A	IC, BCS5030G1 TDK 2P SMD R/TP SENSOR
SD12	0IPRPTD001A	IC, BCS5030G1 TDK 2P SMD R/TP SENSOR
SD13	0IPRPTD001A	IC, BCS5030G1 TDK 2P SMD R/TP SENSOR
SD14	0IPRPTD001A	IC, BCS5030G1 TDK 2P SMD R/TP SENSOR
SD15	0IPRPTD001A	IC, BCS5030G1 TDK 2P SMD R/TP SENSOR
SD16	0IPRPTD001A	IC, BCS5030G1 TDK 2P SMD R/TP SENSOR
	TRANSISTOR	
Q001	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q001	0TR319809AA	TR, KTC3198(KTC1815) KEC TP TO92 50V 150MA
Q002	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC

LOCA. NO	PART NO	DESCRIPTION
Q002	0TR319809AA	TR, KTC3198(KTC1815) KEC TP TO92 50V 150MA
Q003	0TR319809AA	TR, KTC3198(KTC1815) KEC TP TO92 50V 150MA
Q003	0TR830009BA	TR, BSS83 TP PHILIPS NON N-CHANNEL S/W TR
Q004	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q004	0TR319809AA	TR, KTC3198(KTC1815) KEC TP TO92 50V 150MA
Q005	0TR319809AA	TR, KTC3198(KTC1815) KEC TP TO92 50V 150MA
Q006	0TR319809AA	TR, KTC3198(KTC1815) KEC TP TO92 50V 150MA
Q006	0TR150400BA	TR, CHIP 2SA1504S(ASY) KEC
Q007	0TR126609AA	TR, KTA1266-Y(KTA1015) KEC TP TO92 50V 150MA
Q008	0TR319809AA	TR, KTC3198(KTC1815) KEC TP TO92 50V 150MA
Q009	0TR319809AA	TR, KTC3198(KTC1815) KEC TP TO92 50V 150MA
Q016	0TR830009BA	TR, BSS83 TP PHILIPS NON N-CHANNEL S/W TR
Q017	0TR830009BA	TR, BSS83 TP PHILIPS NON N-CHANNEL S/W TR
Q018	0TR830009BA	TR, BSS83 TP PHILIPS NON N-CHANNEL S/W TR
Q019	0TR830009BA	TR, BSS83 TP PHILIPS NON N-CHANNEL S/W TR
Q020	0TR830009BA	TR, BSS83 TP PHILIPS NON N-CHANNEL S/W TR
Q021	0TR830009BA	TR, BSS83 TP PHILIPS NON N-CHANNEL S/W TR
Q022	0TR830009BA	TR, BSS83 TP PHILIPS NON N-CHANNEL S/W TR
Q023	0TR830009BA	TR, BSS83 TP PHILIPS NON N-CHANNEL S/W TR
Q024	0TR830009BA	TR, BSS83 TP PHILIPS NON N-CHANNEL S/W TR
Q025	0TR830009BA	TR, BSS83 TP PHILIPS NON N-CHANNEL S/W TR
Q026	0TR150400BA	TR, CHIP 2SA1504S(ASY) KEC
Q101	0TR126609AA	TR, KTA1266-Y(KTA1015) KEC TP TO92 50V 150MA
Q102	0TR319809AA	TR, KTC3198(KTC1815) KEC TP TO92 50V 150MA
Q103	0TR319809AA	TR, KTC3198(KTC1815) KEC TP TO92 50V 150MA
Q104	0TR126609AA	TR, KTA1266-Y(KTA1015) KEC TP TO92 50V 150MA
Q105	0TR319809AA	TR, KTC3198(KTC1815) KEC TP TO92 50V 150MA
Q106	0TR319809AA	TR, KTC3198(KTC1815) KEC TP TO92 50V 150MA
Q107	0TR126609AA	TR, KTA1266-Y(KTA1015) KEC TP TO92 50V 150MA
Q108	0TR319809AA	TR, KTC3198(KTC1815) KEC TP TO92 50V 150MA
Q109	0TR319809AA	TR, KTC3198(KTC1815) KEC TP TO92 50V 150MA
Q110	0TR126609AA	TR, KTA1266-Y(KTA1015) KEC TP TO92 50V 150MA
Q2001	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q2002	0TR150400BA	TR, CHIP 2SA1504S(ASY) KEC
Q2003	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q2004	0TR150400BA	TR, CHIP 2SA1504S(ASY) KEC
Q2005	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q2006	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q2007	0TR830009BA	TR, BSS83 TP PHILIPS NON N-CHANNEL S/W TR
Q2008	0TR830009BA	TR, BSS83 TP PHILIPS NON N-CHANNEL S/W TR
Q2009	0TR830009BA	TR, BSS83 TP PHILIPS NON N-CHANNEL S/W TR
Q201	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q2013	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q2014	0TR150400BA	TR, CHIP 2SA1504S(ASY) KEC
Q2015	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q2016	0TR150400BA	TR, CHIP 2SA1504S(ASY) KEC
Q202	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q2020	0TR830009BA	TR, BSS83 TP PHILIPS NON N-CHANNEL S/W TR
Q2021	0TR830009BA	TR, BSS83 TP PHILIPS NON N-CHANNEL S/W TR
Q2022	0TR830009BA	TR, BSS83 TP PHILIPS NON N-CHANNEL S/W TR
Q2023	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q2024	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC

LOCA. NO	PART NO	DESCRIPTION
Q203	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q2030	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q204	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q205	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q2050	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q206	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q208	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q209	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q210	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q211	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q212	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q213	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q214	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q215	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q216	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q217	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q218	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q219	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q220	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q2201	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q2202	0TR150400BA	TR, CHIP 2SA1504S(ASY) KEC
Q2203	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q2204	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q2205	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q2206	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q2207	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q2208	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q2209	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q221	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q222	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q223	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q2700	0TR319809AA	TR, KTC3198(KTC1815) KEC TP TO92 50V 150MA
Q2701	0TR319809AA	TR, KTC3198(KTC1815) KEC TP TO92 50V 150MA
Q2702	0TR319809AA	TR, KTC3198(KTC1815) KEC TP TO92 50V 150MA
Q402	0TF200000AA	TR, IRFIBC20G BK I.R 600V - -
Q403	0TRTH10006A	TR, 2SC5446(AS)+MICA ST TO3P 1700V 23A
Q405	0TR126609AA	TR, KTA1266-Y(KTA1015) KEC TP TO92 50V 150MA
Q406	0TR471000AA	TR, 2SC4710 BK SANYO - OTOROLA IBA
Q407	0TR126609AA	TR, KTA1266-Y(KTA1015) KEC TP TO92 50V 150MA
Q408	0TR319809AA	TR, KTC3198(KTC1815) KEC TP TO92 50V 150MA
Q409	0TR319809AA	TR, KTC3198(KTC1815) KEC TP TO92 50V 150MA
Q410	0TR126609AA	TR, KTA1266-Y(KTA1015) KEC TP TO92 50V 150MA
Q411	0TR205900AB	TR, KTD2059-Y TO-220IS KEC
Q413	0TF200000AA	TR, IRFIBC20G BK I.R 600V - -
Q416	0TR187900AA	TR, 2SD1879 BK SANYO - -
Q417	0TR319809AA	TR, KTC3198(KTC1815) KEC TP TO92 50V 150MA
Q420	0TR421009CB	TR, BF421L(AMMO)TO-92 TP PHILIPS - -
Q423	0TR319809AA	TR, KTC3198(KTC1815) KEC TP TO92 50V 150MA
Q424	0TR126609AA	TR, KTA1266-Y(KTA1015) KEC TP TO92 50V 150MA
Q428	0TR322709AA	TR, KTC3227-Y,TP(KTC1627A),KEC
Q432	0TR126609AA	TR, KTA1266-Y(KTA1015) KEC TP TO92 50V 150MA
Q433	0TF251800AA	TR, 2SK2518-01MR BK FUJI 200V - -

LOCA. NO	PART NO	DESCRIPTION
Q501	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q502	0TR319809AA	TR, KTC3198(KTC1815) KEC TP TO92 50V 150MA
Q502	0TR150400BA	TR, CHIP 2SA1504S(ASY) KEC
Q503	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q503	0TR319809AA	TR, KTC3198(KTC1815) KEC TP TO92 50V 150MA
Q504	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q505	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q506	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q507	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q508	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q509	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q510	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q511	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q512	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q513	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q514	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q515	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q516	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q600	0TR126609AA	TR, KTA1266-Y(KTA1015) KEC TP TO92 50V 150MA
Q601	0TR319809AA	TR, KTC3198(KTC1815) KEC TP TO92 50V 150MA
Q602	0TR102709AA	TR, KTC1027-Y TP(KTC2235),KEC
Q712	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q713	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q714	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q715	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q716	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q717	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q718	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q719	0TR150400BA	TR, CHIP 2SA1504S(ASY) KEC
Q720	0TR150400BA	TR, CHIP 2SA1504S(ASY) KEC
Q721	0TR150400BA	TR, CHIP 2SA1504S(ASY) KEC
Q722	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q723	0TR387500AA	TR, CHIP 2SC3875S(ALY) KEC
Q801	0TR385200AA	TR, 2SC3852A BK SANKEN - -
Q803	0TR319809AA	TR, KTC3198(KTC1815) KEC TP TO92 50V 150MA
Q804	0TR322709AA	TR, KTC3227-Y,TP(KTC1627A),KEC
Q805	0TR319809AA	TR, KTC3198(KTC1815) KEC TP TO92 50V 150MA
Q809	0TR319809AA	TR, KTC3198(KTC1815) KEC TP TO92 50V 150MA
Q901B	0TR223800AA	TR, KTC2238A-Y BK KEC - -
Q901G	0TR223800AA	TR, KTC2238A-Y BK KEC - -
Q901R	0TR223800AA	TR, KTC2238A-Y BK KEC - -
Q902B	0TR319809AA	TR, KTC3198(KTC1815) KEC TP TO92 50V 150MA
Q902G	0TR319809AA	TR, KTC3198(KTC1815) KEC TP TO92 50V 150MA
Q902R	0TR319809AA	TR, KTC3198(KTC1815) KEC TP TO92 50V 150MA
Q905G	0TR126609AA	TR, KTA1266-Y(KTA1015) KEC TP TO92 50V 150MA
Q961	0TR322709AA	TR, KTC3227-Y,TP(KTC1627A),KEC
Q962	0TR127409AB	TR, KTA1274-Y TO-92L TP KEC
Q963	0TR322709AA	TR, KTC3227-Y,TP(KTC1627A),KEC
QT1	0TR319809AA	TR, KTC3198(KTC1815) KEC TP TO92 50V 150MA
QT2	0TR319809AA	TR, KTC3198(KTC1815) KEC TP TO92 50V 150MA
QT3	0TR319809AA	TR, KTC3198(KTC1815) KEC TP TO92 50V 150MA
QT4	0TR319809AA	TR, KTC3198(KTC1815) KEC TP TO92 50V 150MA

LOCA. NO	PART NO	DESCRIPTION
QT5	0TR319809AA	TR, KTC3198(KTC1815) KEC TP TO92 50V 150MA
QT6	0TR319809AA	TR, KTC3198(KTC1815) KEC TP TO92 50V 150MA
QT7	0TR319809AA	TR, KTC3198(KTC1815) KEC TP TO92 50V 150MA
T401	6170VC0002A	TR, H-DRIVE EER-2619
T402	6170VC0002A	TR, H-DRIVE EER-2619
T405	6170VMCA13G	TR, EER4215 1.2UH RN-49NZ10H
T406	151-E06A	TR, EER2834 0UH
T801	6170VMCA45A	TR, EE5555S 300UH STR-6658B
T805	6170VS0004A	TR, EE2229 2200UH +-15%, RT-62NA31
T890	6170VZ0008A	TR, TS4841 30500UH REACTOR TRANS
T891	6170VZ0008A	TR, TS4841 30500UH REACTOR TRANS
		DIODE
D001	0DS113379BA	DIODE, 1SS133 T-72 TP ROHM KOREA DO34 90V -
D002	0DS113379BA	DIODE, 1SS133 T-72 TP ROHM KOREA DO34 90V -
D006	0DD410009AA	DIODE, SCHOTTKY,BAT 41 TP
D007	0DD410009AA	DIODE, SCHOTTKY,BAT 41 TP
D008	0DD410009AA	DIODE, SCHOTTKY,BAT 41 TP
D2701	0DS113379BA	DIODE, 1SS133 T-72 TP ROHM KOREA DO34 90V -
D2801	0DD184009AA	DIODE, KDS184S CHIP 85V 300MA KEC TP
D401	0DS113379BA	DIODE, 1SS133 T-72 TP ROHM KOREA DO34 90V -
D402	0DD414809ED	DIODE, 1N4148 TP GRANDE - - - - - -
D403	0DS113379BA	DIODE, 1SS133 T-72 TP ROHM KOREA DO34 90V -
D404	0DD414809ED	DIODE, 1N4148 TP GRANDE - - - - - -
D406	0DS113379BA	DIODE, 1SS133 T-72 TP ROHM KOREA DO34 90V -
D409	0DR210009AC	DIODE, BAV21 TP DO35 200V 0.2A 1A 50SEC 100A
D410	0DD200009AH	DIODE, RU2AMV(1) TP SANKEN
D414	0DD150009CA	DIODE, RGP15J TP GULF SEMICONDUCTOR LTD.
D415	0DD150009CA	DIODE, RGP15J TP GULF SEMICONDUCTOR LTD.
D416	0DD340009EA	DIODE, BYW34 TP (2A/400V) TELEFUNKEN
D417	0DD340009EA	DIODE, BYW34 TP (2A/400V) TELEFUNKEN
D418	0DD340009EA	DIODE, BYW34 TP (2A/400V) TELEFUNKEN
D419	0DD200009AH	DIODE, RU2AMV(1) TP SANKEN
D420	0DD200009AH	DIODE, RU2AMV(1) TP SANKEN
D421	0DS113379BA	DIODE, 1SS133 T-72 TP ROHM KOREA DO34 90V -
D422	0DD150009CE	DIODE, GP15J TP SEMICONDUCTOR LTD. - 600V -
D423	0DS113379BA	DIODE, 1SS133 T-72 TP ROHM KOREA DO34 90V -
D424	0DD100009AQ	DIODE, RP1HV(1) TP SANKEN TP SANKEN
D427	0DR360000AA	DIODE, FMG-36S BK - 2.2V - - 100NSEC 1.0MA
D428	0DR500000CA	DIODE, TO3P 1700V 10A 50A 500USEC 500UA
D430	0DS113379BA	DIODE, 1SS133 T-72 TP ROHM KOREA DO34 90V -
D431	0DD400509AA	DIODE, 1N4005 TP KEC - - - - - -
D432	0DD060009AC	DIODE, TVR06J TP - 600V - - 250NSEC -
D433	0DS113379BA	DIODE, 1SS133 T-72 TP ROHM KOREA DO34 90V -
D434	0DS113379BA	DIODE, 1SS133 T-72 TP ROHM KOREA DO34 90V -
D435	0DS113379BA	DIODE, 1SS133 T-72 TP ROHM KOREA DO34 90V -
D437	0DS113379BA	DIODE, 1SS133 T-72 TP ROHM KOREA DO34 90V -
D440	0DD200009AH	DIODE, RU2AMV(1) TP SANKEN
D441	0DD100009AQ	DIODE, RP1HV(1) TP SANKEN TP SANKEN
D442	0DD400509AA	DIODE, 1N4005 TP KEC - - - - - -
D444	0DS113379BA	DIODE, 1SS133 T-72 TP ROHM KOREA DO34 90V -
D445	0DS113379BA	DIODE, 1SS133 T-72 TP ROHM KOREA DO34 90V -

LOCA. NO	PART NO	DESCRIPTION
D446	0DS113379BA	DIODE, 1SS133 T-72 TP ROHM KOREA DO34 90V -
D480	0DD140009AA	DIODE, E/EO-TMD 40V 1.5A 40A 0.2US 5MA
D481	0DD060009AC	DIODE, TVR06J TP - 600V - - 250NSEC -
D600	0DS113379BA	DIODE, 1SS133 T-72 TP ROHM KOREA DO34 90V -
D601	0DS113379BA	DIODE, 1SS133 T-72 TP ROHM KOREA DO34 90V -
D602	0DS113379BA	DIODE, 1SS133 T-72 TP ROHM KOREA DO34 90V -
D603	0DS113379BA	DIODE, 1SS133 T-72 TP ROHM KOREA DO34 90V -
D605	0DS113379BA	DIODE, 1SS133 T-72 TP ROHM KOREA DO34 90V -
D701	0DD184009AA	DIODE, KDS184S CHIP 85V 300MA KEC TP
D702	0DD226239AA	DIODE, CHIP KDS226 SOT-23
D703	0DD226239AA	DIODE, CHIP KDS226 SOT-23
D704	0DD184009AA	DIODE, KDS184S CHIP 85V 300MA KEC TP
D705	0DD226239AA	DIODE, CHIP KDS226 SOT-23
D706	0DD184009AA	DIODE, KDS184S CHIP 85V 300MA KEC TP
D707	0DD184009AA	DIODE, KDS184S CHIP 85V 300MA KEC TP
D708	0DD184009AA	DIODE, KDS184S CHIP 85V 300MA KEC TP
D801	0DD606000AA	DIODE, RBV606 BK NA 600V 6A 150A NA 10UA
D802	0DD100009AU	DIODE, EU1AV(1) TP SANKEN TP SANKEN
D803	0DD100009AM	DIODE, EU1ZV(1) TP SANKEN
D804	0DD100009AM	DIODE, EU1ZV(1) TP SANKEN
D805	0DD100009AM	DIODE, EU1ZV(1) TP SANKEN
D806	0DR010009AA	DIODE, EG01C TP- 1000V 0.5A 10A 100NSEC 50UA
D812	0DS113379BA	DIODE, 1SS133 T-72 TP ROHM KOREA DO34 90V -
D813	0DD410000AB	DIODE, RU4C,LF-L1 SANKEN SANKEN
D814	0DD410000AB	DIODE, RU4C,LF-L1 SANKEN SANKEN
D815	0DD100009AU	DIODE, EU1AV(1) TP SANKEN TP SANKEN
D816	0DD420000BB	DIODE, D4L20U SHINDENGEN
D817	0DD420000BB	DIODE, D4L20U SHINDENGEN
D818	0DD420000BB	DIODE, D4L20U SHINDENGEN
D820	0DD150009CE	DIODE, GP15J TP LTD. - 600V - - - -
D821	0DD150009CE	DIODE, GP15J TP LTD. - 600V - - - -
D822	0DD150009CE	DIODE, GP15J TP LTD. - 600V - - - -
D823	0DS113379BA	DIODE, 1SS133 T-72 TP ROHM KOREA DO34 90V -
D824	0DS113379BA	DIODE, 1SS133 T-72 TP ROHM KOREA DO34 90V
D825	0DS113379BA	DIODE, 1SS133 T72 TP ROHM KOREA DO34 90V
D826	0DS113379BA	DIODE, 1SS133 T72 TP ROHM KOREA DO34 90V
D827	0DS113379BA	DIODE, 1SS133 T72 TP ROHM KOREA DO34 90V
D828	0DS113379BA	DIODE, 1SS133 T72 TP ROHM KOREA DO34 90V
D830	0DD150009CE	DIODE, GP15J TP LTD. 600V
D831	0DS113379BA	DIODE, 1SS133 T72 TP ROHM KOREA DO34 90V
D832	0DS113379BA	DIODE, 1SS133 T72 TP ROHM KOREA DO34 90V
D833	0DS113379BA	DIODE, 1SS133 T72 TP ROHM KOREA DO34 90V
D835	0DD100009AM	DIODE, EU1ZV(1) TP SANKEN
D867	0DD100009AM	DIODE, EU1ZV(1) TP SANKEN
D901B	0DR210009AC	DIODE,DO35 200V 0.2A 1A 50SEC 100A
D901G	0DR210009AC	DIODE,DO35 200V 0.2A 1A 50SEC 100A
D901R	0DR210009AC	DIODE,DO35 200V 0.2A 1A 50SEC 100A
D902B	0DD060009AC	DIODE, TVR06J TP 600V 250NSEC
D902G	0DD060009AC	DIODE, TVR06J TP 600V 250NSEC
D902R	0DD060009AC	DIODE, TVR06J TP 600V 250NSEC
D903	0DD060009AC	DIODE, TVR06J TP 600V 250NSEC
D903B	0DR210009AC	DIODE,DO35 200V 0.2A 1A 50SEC 100A

LOCA. NO	PART NO	DESCRIPTION
D903G	0DR210009AC	DIODE,DO35 200V 0.2A 1A 50SEC 100A
D903R	0DR210009AC	DIODE,DO35 200V 0.2A 1A 50SEC 100A
D904B	0DR210009AC	DIODE,DO35 200V 0.2A 1A 50SEC 100A
D904G	0DR210009AC	DIODE,DO35 200V 0.2A 1A 50SEC 100A
D904R	0DR210009AC	DIODE,DO35 200V 0.2A 1A 50SEC 100A
D905B	0DR210009AC	DIODE,DO35 200V 0.2A 1A 50SEC 100A
D905G	0DR210009AC	DIODE,DO35 200V 0.2A 1A 50SEC 100A
D905R	0DR210009AC	DIODE,DO35 200V 0.2A 1A 50SEC 100A
D908B	0DR210009AC	DIODE,DO35 200V 0.2A 1A 50SEC 100A
D908G	0DR210009AC	DIODE,DO35 200V 0.2A 1A 50SEC 100A
D908R	0DR210009AC	DIODE,DO35 200V 0.2A 1A 50SEC 100A
D911B	0DR210009AC	DIODE,DO35 200V 0.2A 1A 50SEC 100A
D911G	0DR210009AC	DIODE,DO35 200V 0.2A 1A 50SEC 100A
D911R	0DR210009AC	DIODE,DO35 200V 0.2A 1A 50SEC 100A
D961	0DD414809ED	DIODE, 1N4148 TP GRANDE
D962	0DD414809ED	DIODE, 1N4148 TP GRANDE
D963	0DD414809ED	DIODE, 1N4148 TP GRANDE
D964	0DD414809ED	DIODE, 1N4148 TP GRANDE
D965	0DD414809ED	DIODE, 1N4148 TP GRANDE
D966	0DD414809ED	DIODE, 1N4148 TP GRANDE
ZD004	0DZ110009AD	DIODE, MTZJ11B TP ROHMK DO34 11V 5UA
ZD101	0DZ330009BA	DIODE, ZENER HZT33 TAPING
ZD102	0DZ330009BA	DIODE, ZENER HZT33 TAPING
ZD1201	0DZ620009BB	DIODE, MTZJ6.2B TP ROHMK DO34 0.5W 6.2V 5UA
ZD1202	0DZ620009BB	DIODE, MTZJ6.2B TP ROHMK DO34 0.5W 6.2V 5UA
ZD1203	0DZ620009BB	DIODE, MTZJ6.2B TP ROHMK DO34 0.5W 6.2V 5UA
ZD1204	0DZ620009BB	DIODE, MTZJ6.2B TP ROHMK DO34 0.5W 6.2V 5UA
ZD1205	0DZ620009BB	DIODE, MTZJ6.2B TP ROHMK DO34 0.5W 6.2V 5UA
ZD1206	0DZ620009BB	DIODE, MTZJ6.2B TP ROHMK DO34 0.5W 6.2V 5UA
ZD1210	0DZ620009BB	DIODE, MTZJ6.2B TP ROHMK DO34 0.5W 6.2V 5UA
ZD1211	0DZ620009BB	DIODE, MTZJ6.2B TP ROHMK DO34 0.5W 6.2V 5UA
ZD201	0DZ120009AF	DIODE, MTZJ12B TP ROHMK DO34 12V 5UA
ZD202	0DZ120009AF	DIODE, MTZJ12B TP ROHMK DO34 12V 5UA
ZD203	0DZ910009AJ	DIODE, MTZJ9.1B TP ROHMK DO34 0.5W 9.1V 5UA
ZD2610	0DZRM00178A	DIODE,ROHM R/TP SMD 0.2W 5.1V 5MA PF
ZD2611	0DZRM00178A	DIODE,ROHM R/TP SMD 0.2W 5.1V 5MA PF
ZD2612	0DZRM00178A	DIODE,ROHM R/TP SMD 0.2W 5.1V 5MA PF
ZD2804	0DZRM00178A	DIODE,ROHM R/TP SMD 0.2W 5.1V 5MA PF
ZD2805	0DZ240009DC	DIODE, MTZJ2.4B TP ROHMK DO34 0.5W 2
ZD401	0DZ910009AJ	DIODE, MTZJ9.1B TP ROHMK DO34 0.5W 9.1V 5UA
ZD403	0DZ180009AG	DIODE, MTZJ18B TP ROHMK DO34 18V 5UA
ZD404	0DZ240009DC	DIODE, MTZJ2.4B TP ROHMK DO34 0.5W 2
ZD405	0DZ510009DB	DIODE, MTZJ5.1B TP ROHMK DO34 5.1V 5UA
ZD406	0DZ510009DB	DIODE, MTZJ5.1B TP ROHMK DO34 5.1V 5UA
ZD407	0DZ820009AH	DIODE, MTZJ8.2B TP ROHMK DO34 8.2V 5UA
ZD408	0DZ180009AG	DIODE, MTZJ18B TP ROHMK DO34 18V 5UA
ZD410	0DZ560009CF	DIODE, MTZJ5.6B TP ROHMK DO34 0.5W 5.6V 5UA
ZD411	0DZ130009CJ	DIODE, MTZJ13B TP ROHMK DO34 0.5W 13V 5UA
ZD412	0DZ130009CJ	DIODE, MTZJ13B TP ROHMK DO34 0.5W 13V 5UA
ZD414	0DZ560009CF	DIODE, MTZJ5.6B TP ROHMK DO34 0.5W 5.6V 5UA
ZD415	0DZ240009DC	DIODE, MTZJ2.4B TP ROHMK DO34 0.5W 2
ZD415	0DZ240009CG	DIODE, MTZJ24B TP ROHMK DO34 24V 5UA

For Capacitor & Resistors, the charactors at 2nd and 3rd digit in the P/No. means as follows;	CC, CX, CK, CN : Ceramic CQ : Polyestor CE : Electrolytic	RD : Carbon Film RS : Metal Oxide Film RN : Metal Film RF : Fusible

LOCA. NO	PART NO	DESCRIPTION
ZD501	0DZ120009AF	DIODE, MTZJ12B TP ROHMK DO34 12V 5UA
ZD601	0DZ510009BF	DIODE, GDZ5.1B TP DO34 0.5W 5.1V 0.02A
ZD603	0DZ510009BF	DIODE, GDZ5.1B TP DO34 0.5W 5.1V 0.02A
ZD604	0DZ510009BF	DIODE, GDZ5.1B TP DO34 0.5W 5.1V 0.02A
ZD801	0DZ150009AD	DIODE, ROHMK DO34 500MW 15V 5MA PF
ZD802	0DZ360009CC	DIODE, GDZ3.6B TP DO34 0.5W 3.6V 0.02A
ZD901B	0DZ560009CF	DIODE, MTZJ5.6B TP ROHMK DO34 0.5W 5.6V 5UA
ZD901G	0DZ560009CF	DIODE, MTZJ5.6B TP ROHMK DO34 0.5W 5.6V 5UA
ZD901R	0DZ560009CF	DIODE, MTZJ5.6B TP ROHMK DO34 0.5W 5.6V 5UA
ZD902B	0DZ110009AD	DIODE, MTZJ11B TP ROHMK DO34 11V 5UA
ZD902G	0DZ110009AD	DIODE, MTZJ11B TP ROHMK DO34 11V 5UA
ZD902R	0DZ110009AD	DIODE, MTZJ11B TP ROHMK DO34 11V 5UA

CAPACITOR

LOCA. NO	PART NO	DESCRIPTION
C001	0CE107DK618	100UF STD 50V M FL TP5
C002	0CN1030F679	10000P 16V M Y TA52
C003	0CE476DD618	47UF STD 10V 20% FL TP 5
C004	0CN1030F679	10000P 16V M Y TA52
C005	0CE227DF618	220UF STD 16V M FL TP5
C006	0CE477DD618	470UF STD 10V M FL TP5
C007	0CE477DD618	470UF STD 10V M FL TP5
C008	0CE477DD618	470UF STD 10V M FL TP5
C009	0CE227DF618	220UF STD 16V M FL TP5
C010	0CE476DD618	47UF STD 10V 20% FL TP 5
C011	0CE476DD618	47UF STD 10V 20% FL TP 5
C011	0CN1040K949	0.1M 50V Z F TA52
C013	0CQ1531N509	0.015U 100V K POLY TP
C013	0CE227DD618	220UF STD 10V M FL TP5
C014	0CE227DD618	220UF STD 10V M FL TP5
C015	0CE107DK618	100UF STD 50V M FL TP5
C016	0CE106DN618	10UF STD 100V M FL TP5
C017	0CE476DK618	47UF STD 50V M FL TP5
C018	0CN1030F679	10000P 16V M Y TA52
C018	0CE476DD618	47UF STD 10V 20% FL TP 5
C019	0CN1040K949	0.1M 50V Z F TA52
C01P	0CN1030F679	10000P 16V M Y TA52
C020	0CE477DD618	470UF STD 10V M FL TP5
C021	0CN1040K949	0.1M 50V Z F TA52
C022	0CE477DD618	470UF STD 10V M FL TP5
C023	0CE477DD618	470UF STD 10V M FL TP5
C024	0CE477DD618	470UF STD 10V M FL TP5
C027	0CX5600K409	56P 50V J SL TA52
C028	0CX5600K409	56P 50V J SL TA52
C029	0CE108DF618	1000UF STD 16V M FL TP5
C02P	0CE476DD618	47UF STD 10V 20% FL TP 5
C030	0CE106DF618	10UF STD 16V M FL TP5
C031	0CN1030F679	10000P 16V M Y TA52
C032	0CE476DD618	47UF STD 10V 20% FL TP 5
C034	0CE476DD618	47UF STD 10V 20% FL TP 5
C035	0CE476DD618	47UF STD 10V 20% FL TP 5
C036	0CE476DD618	47UF STD 10V 20% FL TP 5
C039	0CE107DD618	100UF STD 10V M FL TP5

LOCA. NO	PART NO	DESCRIPTION
C040	0CE107DD618	100UF STD 10V M FL TP5
C043	0CE476DD618	47UF STD 10V 20% FL TP 5
C044	0CE107DD618	100UF STD 10V M FL TP5
C045	0CE107DD618	100UF STD 10V M FL TP5
C046	0CE107DD618	100UF STD 10V M FL TP5
C047	0CE107DD618	100UF STD 10V M FL TP5
C051	0CN1030F679	10000P 16V M Y TA52
C101	0CN1030F679	10000P 16V M Y TA52
C104	0CE106DK618	10UF STD 50V M FL TP5
C105	0CN1030F679	10000P 16V M Y TA52
C107	0CE476DF618	47UF STD 16V M FL TP5
C108	0CN1030F679	10000P 16V M Y TA52
C109	0CN1010K519	100P 50V K B TA52
C110	0CN1030F679	10000P 16V M Y TA52
C111	0CE476DF618	47UF STD 16V M FL TP5
C112	0CN1040K949	0.1M 50V Z F TA52
C115	0CK1030K945	0.01UF 50V Z F TR
C116	0CE108DD618	1000UF STD 10V M FL TP5
C118	0CX4700K409	47P 50V J SL TA52
C119	0CX4700K409	47P 50V J SL TA52
C1205	0CE475DK618	4.7UF STD 50V 20% FL TP 5
C1206	0CN1040K949	0.1M 50V Z F TA52
C1208	0CN2210K519	220P 50V K B TA52
C1209	0CN2210K519	220P 50V K B TA52
C121	0CN1030F679	10000P 16V M Y TA52
C122	0CE475DK618	4.7UF STD 50V 20% FL TP 5
C123	0CE227DF618	220UF STD 16V M FL TP5
C124	0CN1040K949	0.1M 50V Z F TA52
C125	0CE476DF618	47UF STD 16V M FL TP5
C126	0CN1040K949	0.1M 50V Z F TA52
C127	0CE228DD618	2200UF STD 10V M FL TP5
C130	0CE108DD618	1000UF STD 10V M FL TP5
C131	0CN1030F679	10000P 16V M Y TA52
C132	0CX4700K409	47P 50V J SL TA52
C133	0CX4700K409	47P 50V J SL TA52
C134	0CN1040K949	0.1M 50V Z F TA52
C135	0CE227DF618	220UF STD 16V M FL TP5
C136	0CE475DK618	4.7UF STD 50V 20% FL TP 5
C137	0CN1030F679	10000P 16V M Y TA52
C138	0CE476DF618	47UF STD 16V M FL TP5
C139	0CN1030F679	10000P 16V M Y TA52
C140	0CK1030K945	0.01UF 50V Z F TR
C141	0CE106DK618	10UF STD 50V M FL TP5
C144	0CE1074F618	100UF SRA 16V M FL TP5
C145	0CE477DF618	470UF STD 16V 20% FL TP 5
C2001	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C2002	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C2003	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C2004	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C2005	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C2006	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C2009	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R

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LOCA. NO	PART NO	DESCRIPTION
C201	0CN1030F679	10000P 16V M Y TA52
C2015	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C2016	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C2017	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C2018	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C2019	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C202	0CE108DF618	1000UF STD 16V M FL TP5
C2020	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C2022	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C2023	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C2024	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C203	0CE227DF618	220UF STD 16V M FL TP5
C2032	0CC3310K405	330P 50V J SL TS
C2033	0CC3310K405	330P 50V J SL TS
C2034	0CC3310K405	330P 50V J SL TS
C2035	0CC3310K405	330P 50V J SL TS
C2036	0CC3310K405	330P 50V J SL TS
C2037	0CE108DJ618	1000UF STD 35V M FL TP5
C2038	0CE108DJ618	1000UF STD 35V M FL TP5
C2040	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C2041	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C205	0CE227DF618	220UF STD 16V M FL TP5
C2050	0CE108DJ618	1000UF STD 35V M FL TP5
C2051	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C2052	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C2053	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C2054	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C2055	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C2056	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C206	0CE108DF618	1000UF STD 16V M FL TP5
C2060	0CE108DJ618	1000UF STD 35V M FL TP5
C2061	0CE108DJ618	1000UF STD 35V M FL TP5
C2061	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C2062	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C2063	0CK1040K945	0.1UF 50V Z F TR
C2064	0CK1040K945	0.1UF 50V Z F TR
C2065	0CK1040K945	0.1UF 50V Z F TR
C2065	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C2066	0CK1040K945	0.1UF 50V Z F TR
C2066	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C2067	0CK1040K945	0.1UF 50V Z F TR
C2067	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C2068	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C2069	0CK1040K945	0.1UF 50V Z F TR
C207	0CE477DF618	470UF STD 16V 20% FL TP 5
C2070	0CE477DD618	470UF STD 10V M FL TP5
C2071	0CE477DD618	470UF STD 10V M FL TP5
C2071	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C2072	0CE477DD618	470UF STD 10V M FL TP5
C2073	0CE477DD618	470UF STD 10V M FL TP5
C2074	0CK1040K945	0.1UF 50V Z F TR
C2074	0CE107SF6DC	100UF MVG 16V M SMD R/TP

LOCA. NO	PART NO	DESCRIPTION
C2075	0CK1040K945	0.1UF 50V Z F TR
C2080	0CK1040K945	0.1UF 50V Z F TR
C2081	0CK1040K945	0.1UF 50V Z F TR
C2082	0CK1040K945	0.1UF 50V Z F TR
C2094	0CK1040K945	0.1UF 50V Z F TR
C2095	0CK1040K945	0.1UF 50V Z F TR
C2096	0CK1040K945	0.1UF 50V Z F TR
C2119	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C212	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C213	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C2130	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C2133	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C214	0CE477DF618	470UF STD 16V 20% FL TP 5
C2142	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C2143	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C216	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C217	0CE227DF618	220UF STD 16V M FL TP5
C2170	0CE475VK6DC	4.7UF MV 50V 20% R/TP(SMD) SMD
C219	0CE477DF618	470UF STD 16V 20% FL TP 5
C220	0CE227DF618	220UF STD 16V M FL TP5
C2202	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C2203	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C2206	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C2207	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C2210	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C2211	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C2214	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C2215	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C226	0CE105SK6DC	1UF MVG 50V M SMD R/TP
C229	0CE105SK6DC	1UF MVG 50V M SMD R/TP
C243	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C251	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C2605	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C2606	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C2607	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C2616	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C262	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C264	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C270	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C2700	0CC3310K405	330P 50V J SL TS
C2701	0CE108DJ618	1000UF STD 35V M FL TP5
C2702	0CE108DJ618	1000UF STD 35V M FL TP5
C2703	0CE108DJ618	1000UF STD 35V M FL TP5
C2704	0CE225DK618	2.2UF STD 50V 20% FL TP 5
C2705	0CE225DK618	2.2UF STD 50V 20% FL TP 5
C2706	0CK1510K515	150P 50V K B TS
C2707	0CK1510K515	150P 50V K B TS
C2708	0CK1510K515	150P 50V K B TS
C2709	0CK1510K515	150P 50V K B TS
C2710	0CK1510K515	150P 50V K B TS
C2711	0CK1510K515	150P 50V K B TS
C2712	0CK1030K945	0.01UF 50V Z F TR

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LOCA. NO	PART NO	DESCRIPTION
C2713	0CK1030K945	0.01UF 50V Z F TR
C272	0CE105SK6DC	1UF MVG 50V M SMD R/TP
C273	0CE105SK6DC	1UF MVG 50V M SMD R/TP
C274	0CE105SK6DC	1UF MVG 50V M SMD R/TP
C276	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C277	0CE105SK6DC	1UF MVG 50V M SMD R/TP
C2786	0CN1040K949	0.1M 50V Z F TA52
C279	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C2801	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C2802	0CN1040K949	0.1M 50V Z F TA52
C2803	0CN4710K519	470P 50V K B TA52
C2804	0CE105SK6DC	1UF MVG 50V M SMD R/TP
C2805	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C2807	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C2813	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C2814	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C2816	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C2817	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C2818	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C2819	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C282	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C2820	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C2821	0CK104DK56A	0.1UF 2012 50V 10% R/TP X7R
C283	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C284	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C285	0CE227DF618	220UF STD 16V M FL TP5
C290	0CE335SK6DC	3.3UF MVG 50V 20% SMD R/TP
C2950	0CK1220K515	1200P 50V K B TS
C2951	0CK6810K515	680P 50V K B TS
C2952	0CK1220K515	1200P 50V K B TS
C2953	0CK6810K515	680P 50V K B TS
C2954	0CK1040K945	0.1UF 50V Z F TR
C2955	0CK1040K945	0.1UF 50V Z F TR
C2956	0CK1040K945	0.1UF 50V Z F TR
C2957	0CE476DF618	47UF STD 16V M FL TP5
C2960	0CK1040K945	0.1UF 50V Z F TR
C2961	0CN1040K949	0.1M 50V Z F TA52
C2962	0CN1030F679	10000P 16V M Y TA52
C304	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C306	181-007G	MPE ECQV1H334JL3(TR), 50V 0.33UF J
C308	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C319	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C322	0CE335SK6DC	3.3UF MVG 50V 20% SMD R/TP
C324	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C327	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C333	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C334	0CE105SK6DC	1UF MVG 50V M SMD R/TP
C337	0CE105SK6DC	1UF MVG 50V M SMD R/TP
C339	0CE105SK6DC	1UF MVG 50V M SMD R/TP
C340	0CE105SK6DC	1UF MVG 50V M SMD R/TP
C346	0CE476SF6DC	47UF MVG 16V M SMD R/TP
C348	0CE105SK6DC	1UF MVG 50V M SMD R/TP

LOCA. NO	PART NO	DESCRIPTION
C349	0CE105SK6DC	1UF MVG 50V M SMD R/TP
C350	0CE105SK6DC	1UF MVG 50V M SMD R/TP
C351	0CE105SK6DC	1UF MVG 50V M SMD R/TP
C352	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C354	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C356	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C358	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C360	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C361	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C362	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C366	0CE107SF6DC	100UF MVG 16V M SMD R/TP
C401	0CE5651K652	5.6UF SM,SA 50V 20% FM7.5 BP(S)
C402	0CE5651K652	5.6UF SM,SA 50V 20% FM7.5 BP(S)
C403	0CK47101515	470P 1KV K B TS
C404	181-091U	R 220PF 2KV 10%,10% R/TP TP7.5
C405	0CE475BR618	4.7UF KME TYPE 250V 20% FL TP 5
C405	0CE475BP618	4.7UF KME TYPE 160V 20% FL TP 5
C406	181-013Y	MPP 0.82UF 400V 5%,5% FM
C407	181-010W	PP 800V 0.0047UF J
C409	181-009R	PP 200V 0.022UF K
C411	0CQ1031N509	0.01U 100V K POLY TP
C412	0CE107DK618	100UF STD 50V M FL TP5
C413	0CE477DF618	470UF STD 16V 20% FL TP 5
C414	0CE477DF618	470UF STD 16V 20% FL TP 5
C415	181-091G	470PF 2KV 10%,10% R/TP DE0907486
C416	0CQ3341N401	0.33U 100V J POLY F5
C417	0CE106DR618	10UF STD 250V M FL TP5
C418	0CE477DH618	470UF STD 25V M FL TP5
C419	0CE227DD618	220UF STD 10V M FL TP5
C420	0CE107DK618	100UF STD 50V M FL TP5
C421	0CE106DK618	10UF STD 50V M FL TP5
C423	0CE107DK618	100UF STD 50V M FL TP5
C424	0CK2210W515	220P 500V K B TS
C425	0CE475BR618	4.7UF KME TYPE 250V 20% FL TP 5
C426	0CN1040K949	0.1M 50V Z F TA52
C427	0CN1030F679	10000P 16V M Y TA52
C428	0CE108DH618	1000UF STD 25V M FL TP5
C430	0CK47101515	470P 1KV K B TS
C431	0CE108DH618	1000UF STD 25V M FL TP5
C432	0CN1030F679	10000P 16V M Y TA52
C433	0CN1020K519	1000P 50V K B TA52
C434	0CE227BP650	220UF KME TYPE 160V 20% FM7.5 BULK
C435	0CQ1042K439	0.1UF S 50V 5% M/PE NI TP5
C436	181-015J	MPP 1600V 0.0086UF H
C437	0CN6810K519	680P 50V K B TA52
C438	0CQ1041N509	0.1U 100V K POLY TP
C440	0CK1520W515	1500P 500V K B TS
C441	0CE476DK618	47UF STD 50V M FL TP5
C443	0CC1010K415	100P 50V J NP0 TS
C444	0CQ3321N509	0.0033U 100V K POLY TP
C446	0CN1040K949	0.1M 50V Z F TA52
C447	0CQ1042K439	0.1UF S 50V 5% M/PE NI TP5

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LOCA. NO	PART NO	DESCRIPTION
C448	0CQ1031N509	0.01U 100V K POLY TP
C449	0CE105DK618	1UF STD 50V M FL TP5
C450	0CN1040K949	0.1M 50V Z F TA52
C451	0CQ2721N409	0.0027M 100V J POLY TP
C452	0CE105DK618	1UF STD 50V M FL TP5
C454	0CE1074F618	100UF SRA 16V M FL TP5
C455	0CQ1042K439	0.1UF S 50V 5% M/PE NI TP5
C460	0CE107DK618	100UF STD 50V M FL TP5
C461	0CK47202510	4700P 2KV K B S
C462	0CE226CR618	22UF SHL,SD 250V M FL TP 5
C464	181-015D	MPP 1600V 0.0062UF H
C466	0CE227DK618	220UF STD 50V M FL TP5
C467	0CE227DK618	220UF STD 50V M FL TP5
C468	181-009V	PP 200V 0.047UF K
C469	0CQ3931N509	0.0390UF 100V K PE TP
C470	0CK2210W515	220P 500V K B TS
C471	0CK1810W515	180P 500V K B TS
C472	0CN1040K949	0.1M 50V Z F TA52
C474	0CE106DK618	10UF STD 50V M FL TP5
C475	181-014N	MPP 1600V 0.01UF J
C476	181-014N	MPP 1600V 0.01UF J
C477	0CK1810W515	180P 500V K B TS
C478	181-001B	CE 200V 470UF M LUG (105)
C479	0CE227DK618	220UF STD 50V M FL TP5
C480	0CE475DK618	4.7UF STD 50V 20% FL TP 5
C481	0CN6810K519	680P 50V K B TA52
C482	0CE106DK618	10UF STD 50V M FL TP5
C484	0CE107DK618	100UF STD 50V M FL TP5
C486	0CN1040K949	0.1M 50V Z F TA52
C487	0CE475BR618	4.7UF KME TYPE 250V 20% FL TP 5
C487	0CE475BP618	4.7UF KME TYPE 160V 20% FL TP 5
C488	0CE107DK618	100UF STD 50V M FL TP5
C489	0CQ1042K439	0.1UF S 50V 5% M/PE NI TP5
C491	0CN1040K949	0.1M 50V Z F TA52
C492	0CN1040K949	0.1M 50V Z F TA52
C493	0CN1040K949	0.1M 50V Z F TA52
C501	0CK224DF56A	220000PF 2012 16V 10% R/TP X7R
C502	0CK224DF56A	220000PF 2012 16V 10% R/TP X7R
C503	0CN1030F679	10000P 16V M Y TA52
C503	0CK224DF56A	220000PF 2012 16V 10% R/TP X7R
C504	0CK224DF56A	220000PF 2012 16V 10% R/TP X7R
C504	0CE477DF618	470UF STD 16V 20% FL TP 5
C505	0CE1074F618	100UF SRA 16V M FL TP5
C506	0CN1030F679	10000P 16V M Y TA52
C506	0CK224DF56A	220000PF 2012 16V 10% R/TP X7R
C507	0CK224DF56A	220000PF 2012 16V 10% R/TP X7R
C507	0CE475DK618	4.7UF STD 50V 20% FL TP 5
C508	0CN1030F679	10000P 16V M Y TA52
C509	0CE475DK618	4.7UF STD 50V 20% FL TP 5
C510	0CN5610K519	560P 50V K B TA52
C512	0CN1030F679	10000P 16V M Y TA52
C513	0CN1010K519	100P 50V K B TA52

LOCA. NO	PART NO	DESCRIPTION
C514	0CN1010K519	100P 50V K B TA52
C515	0CN1010K519	100P 50V K B TA52
C518	0CN1010K519	100P 50V K B TA52
C519	0CE106DF618	10UF STD 16V M FL TP5
C519	0CN1010K519	100P 50V K B TA52
C520	0CN1010K519	100P 50V K B TA52
C521	0CE108DF618	1000UF STD 16V M FL TP5
C522	0CE108DF618	1000UF STD 16V M FL TP5
C523	0CE108DF618	1000UF STD 16V M FL TP5
C523	0CE106DF618	10UF STD 16V M FL TP5
C525	0CE225DK618	2.2UF STD 50V 20% FL TP 5
C528	0CE107DD618	100UF STD 10V M FL TP5
C528	0CE107DD618	100UF STD 10V M FL TP5
C529	0CE107DD618	100UF STD 10V M FL TP5
C532	0CE106DF618	10UF STD 16V M FL TP5
C535	0CE107DD618	100UF STD 10V M FL TP5
C544	0CE107DD618	100UF STD 10V M FL TP5
C547	0CK224DF56A	220000PF 2012 16V 10% R/TP X7R
C548	0CK224DF56A	220000PF 2012 16V 10% R/TP X7R
C549	0CK224DF56A	220000PF 2012 16V 10% R/TP X7R
C550	0CK224DF56A	220000PF 2012 16V 10% R/TP X7R
C552	0CK224DF56A	220000PF 2012 16V 10% R/TP X7R
C555	0CK224DF56A	220000PF 2012 16V 10% R/TP X7R
C565	0CE106DF618	10UF STD 16V M FL TP5
C569	0CE106DF618	10UF STD 16V M FL TP5
C571	0CE107DD618	100UF STD 10V M FL TP5
C574	0CE107DD618	100UF STD 10V M FL TP5
C578	0CE106DF618	10UF STD 16V M FL TP5
C581	0CE106DF618	10UF STD 16V M FL TP5
C592	0CE107DD618	100UF STD 10V M FL TP5
C595	0CE107DD618	100UF STD 10V M FL TP5
C600	0CQ6821N509	0.0068U 100V K POLY TP
C600	0CE107DD618	100UF STD 10V M FL TP5
C602	0CE105CK636	1UF SHL,SD 50V M FM5 BP(D) TP
C603	0CQ6821N509	0.0068U 100V K POLY TP
C605	0CQ1041N509	0.1U 100V K POLY TP
C606	0CQ1041N509	0.1U 100V K POLY TP
C607	0CE107DD618	100UF STD 10V M FL TP5
C609	0CQ1041N509	0.1U 100V K POLY TP
C610	0CE106DF618	10UF STD 16V M FL TP5
C612	0CE107DD618	100UF STD 10V M FL TP5
C614	0CE107DD618	100UF STD 10V M FL TP5
C615	0CE107DD618	100UF STD 10V M FL TP5
C616	0CE106DK618	10UF STD 50V M FL TP5
C617	0CE106DK618	10UF STD 50V M FL TP5
C617	0CE106DF618	10UF STD 16V M FL TP5
C618	0CE106DF618	10UF STD 16V M FL TP5
C619	0CE106DF618	10UF STD 16V M FL TP5
C619	0CE475DK618	4.7UF STD 50V 20% FL TP 5
C621	0CE106DF618	10UF STD 16V M FL TP5
C626	0CE107DD618	100UF STD 10V M FL TP5
C629	0CE107DD618	100UF STD 10V M FL TP5

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RD : Carbon Film
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RN : Metal Film
RF : Fusible

The components identified by mark ⚠ are critical for safety.
Replace only with part number specified.

LOCA. NO	PART NO	DESCRIPTION
C630	0CE477DF618	470UF STD 16V 20% FL TP 5
C632	0CE476DJ618	47UF STD 35V M FL TP5
C635	0CE108DK61A	1000UF STD 50V M FL TP7.5
C636	0CE108DK61A	1000UF STD 50V M FL TP7.5
C639	0CE108DK61A	1000UF STD 50V M FL TP7.5
C640	0CQ1041N509	0.1U 100V K POLY TP
C713	0CE227DD618	220UF STD 10V M FL TP5
C714	0CQ1041N509	0.1U 100V K POLY TP
C715	0CQ1041N509	0.1U 100V K POLY TP
C716	0CE106DF618	10UF STD 16V M FL TP5
C720	0CE476DF618	47UF STD 16V M FL TP5
C724	0CQ1031N509	0.01U 100V K POLY TP
C725	0CQ1041N509	0.1U 100V K POLY TP
C729	0CE106DK618	10UF STD 50V M FL TP5
C730	0CE474DK618	0.4700UF STD 50V M FL TP5
C741	0CE476DF618	47UF STD 16V M FL TP5
C746	0CE476DF618	47UF STD 16V M FL TP5
C749	0CE475DK618	4.7UF STD 50V 20% FL TP 5
C753	0CE476DF618	47UF STD 16V M FL TP5
C767	0CE107DF618	100UF STD 16V M FL TP5
C783	0CE107DD618	100UF STD 10V M FL TP5
C786	0CE107DF618	100UF STD 16V M FL TP5
C789	0CE227DF618	220UF STD 16V M FL TP5
C792	0CE107DD618	100UF STD 10V M FL TP5
C793	0CE107DD618	100UF STD 10V M FL TP5
C795	0CE227DD618	220UF STD 10V M FL TP5
C796	0CE107DD618	100UF STD 10V M FL TP5
C801	0CQZVBK002D	A.C 275V 0.47UF K (S=22.5)
C802	0CQZVBK002C	A.C 275V 0.22UF K (S=22.5)
C803	0CQZVBK002C	A.C 275V 0.22UF K (S=22.5)
C806	0CK10202510	1000P 2KV K B S
C808	0CE227BJ618	220U KME 35V M FL TP5
C810	181-091D	1000PF 1KV 10%,10% R/TP DE0905979
C811	0CE477DF618	470UF STD 16V 20% FL TP 5
C812	0CE227DF618	220UF STD 16V M FL TP5
C812	0CE107BF618	100UF KME 16V M FL TP5
C813	0CK10202510	1000P 2KV K B S
C815	0CK27101515	270P 1KV K B TS
C816	181-011D	PP 1600V 0.0022UF J
C817	0CE476DN618	47UF STD 100V 20% FL TP 5
C818	181-091D	1000PF 1KV 10%,10% R/TP DE0905979
C819	181-091D	1000PF 1KV 10%,10% R/TP DE0905979
C820	0CK8210K515	820P 50V K B TS
C824	0CE107DD618	100UF STD 10V M FL TP5
C835	0CQ1041N509	0.1U 100V K POLY TP
C836	181-091D	1000PF 1KV 10%,10% R/TP DE0905979
C837	181-091D	1000PF 1KV 10%,10% R/TP DE0905979
C838	181-091D	1000PF 1KV 10%,10% R/TP DE0905979
C839	181-001A	CE 200V 470UF M LUG (85)
C840	0CE107BP61A	100UF KME 160V M FL TP7.5
C841	181-001A	CE 200V 470UF M LUG (85)
C842	0CE107BP61A	100UF KME 160V M FL TP7.5

LOCA. NO	PART NO	DESCRIPTION
C843	0CE337DK618	330UF STD 50V M FL TP5
C845	181-091D	1000PF 1KV 10%,10% R/TP DE0905979
C846	0CE228BK650	2200UF KME TYPE 50V 20% FM7.5 BULK
C847	0CE228BK650	2200UF KME TYPE 50V 20% FM7.5 BULK
C848	181-091D	1000PF 1KV 10%,10% R/TP DE0905979
C849	0CE228BK650	2200UF KME TYPE 50V 20% FM7.5 BULK
C850	0CE228BK650	2200UF KME TYPE 50V 20% FM7.5 BULK
C851	0CE228BK650	2200UF KME TYPE 50V 20% FM7.5 BULK
C852	0CE228BK650	2200UF KME TYPE 50V 20% FM7.5 BULK
C855	0CE105DK618	1UF STD 50V M FL TP5
C856	181-091D	1000PF 1KV 10%,10% R/TP DE0905979
C857	181-091D	1000PF 1KV 10%,10% R/TP DE0905979
C858	0CE3386H610	3300UF SMS,SG 25V 20% FL BULK
C859	0CE108DJ618	1000UF STD 35V M FL TP5
C860	181-091D	1000PF 1KV 10%,10% R/TP DE0905979
C861	0CE3386F650	3300M SMS 16V M FM7.5
C862	0CE108DF618	1000UF STD 16V M FL TP5
⚠ C866	181-120K	2200PF 4KV M E FMTW LEAD 4.5
C870	0CE107DD618	100UF STD 10V M FL TP5
C875	0CK10202510	1000P 2KV K B S
C879	181-001U	LUG(85) 470UF 450V 20% FM
C881	0CK10202510	1000P 2KV K B S
C883	0CE476BK618	47UF KME 50V M FL TP5
C887	181-010K	PP 0.01UF 630V 5% FM 7.5MM
C889	181-091D	1000PF 1KV 10%,10% R/TP DE0905979
⚠ C891	181-120P	470 PF 4KV K JE R FL 10
C894	0CE476BK618	47UF KME 50V M FL TP5
C901B	0CE107DF618	100UF STD 16V M FL TP5
C901G	0CE107DF618	100UF STD 16V M FL TP5
C901R	0CE107DF618	100UF STD 16V M FL TP5
C902B	0CE475DK618	4.7UF STD 50V 20% FL TP 5
C902G	0CE475DK618	4.7UF STD 50V 20% FL TP 5
C902R	0CE475DK618	4.7UF STD 50V 20% FL TP 5
C903	0CE107DH618	100UF STD 25V M FL TP5
C903B	0CK1040K945	0.1UF 50V Z F TR
C903G	0CK1040K945	0.1UF 50V Z F TR
C903R	0CK1040K945	0.1UF 50V Z F TR
C904	0CE107DF618	100UF STD 16V M FL TP5
C904B	0CK1040K945	0.1UF 50V Z F TR
C904G	0CK1040K945	0.1UF 50V Z F TR
C904R	0CK1040K945	0.1UF 50V Z F TR
C905	0CE107DH618	100UF STD 25V M FL TP5
C905B	0CC0500K115	5P 50V D NP0 TS
C905G	0CC0500K115	5P 50V D NP0 TS
C905R	0CC0200K115	2P 50V D NP0 TS
C906	0CE106DP618	10UF STD 160V M FL TP5
C906B	0CE476DR618	47UF STD 250V 20% FL TP 5
C906G	0CE476DR618	47UF STD 250V 20% FL TP 5
C906R	0CE476DR618	47UF STD 250V 20% FL TP 5
C907B	0CE106DR618	10UF STD 250V M FL TP5
C907G	0CE106DR618	10UF STD 250V M FL TP5
C907R	0CE106DR618	10UF STD 250V M FL TP5

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LOCA. NO	PART NO	DESCRIPTION
C908	0CE107DF618	100UF STD 16V M FL TP5
C908B	0CK5610W515	560P 500V K B TS
C908G	0CK5610W515	560P 500V K B TS
C908R	0CK5610W515	560P 500V K B TS
C909	0CE107DK618	100UF STD 50V M FL TP5
C909B	0CK22202515	2200PF 2KV K B TR
C909G	0CK22202515	2200PF 2KV K B TR
C909R	0CK22202515	2200PF 2KV K B TR
C910	0CQ1031N509	0.01U 100V K POLY TP
C910B	0CN1040K949	0.1M 50V Z F TA52
C910G	0CN1040K949	0.1M 50V Z F TA52
C910R	0CN1040K949	0.1M 50V Z F TA52
C911B	0CQZVBK002A	A.C 275V 0.1UF M (S=15)
C911G	0CQZVBK002A	A.C 275V 0.1UF M (S=15)
C911R	0CQZVBK002A	A.C 275V 0.1UF M (S=15)
C912B	0CK1030W510	0.01U 500V K B S
C912G	0CK1030W510	0.01U 500V K B S
C912R	0CK1030W510	0.01U 500V K B S
C913	0CC1510K405	150PF 50V J SL TR
C914	0CN1040K949	0.1M 50V Z F TA52
C915	181-091N	SL 100PF 1KV 10%,10% R/TP TP5
C916	181-091N	SL 100PF 1KV 10%,10% R/TP TP5
C917	0CK1030W510	0.01U 500V K B S
C917G	0CN4710K519	470P 50V K B TA52
C936	0CE107BP61A	100UF KME 160V M FL TP7.5
C941	0CK1030W510	0.01U 500V K B S
C961	0CE106DK618	10UF STD 50V M FL TP5
C962	0CN1040K949	0.1M 50V Z F TA52
C963	0CQ1031N509	0.01U 100V K POLY TP
C964	0CE336DK618	33UF STD 50V M FL TP5
C965	0CE106DK618	10UF STD 50V M FL TP5
CT1	0CE4763F618	47UF SRE 16V M FL TP5
CT2	0CX4700K409	47P 50V J SL TA52
CT3	0CX4700K409	47P 50V J SL TA52
CT4	0CE1074F618	100UF SRA 16V M FL TP5
CT5	0CN1040K949	0.1M 50V Z F TA52
ZD005	0CX4700K409	47P 50V J SL TA52
ZD01P	0CN1020K519	1000P 50V K B TA52

COIL&TRANSFORMER

J32	0LA0221K119	INDUCTOR,AXIAL LEAD 2.2UH K 2.3*3.4 TP
J33	0LA0221K119	INDUCTOR,AXIAL LEAD 2.2UH K 2.3*3.4 TP
L001	0LA0332K039	INDUCTOR,AXIAL LEAD 33UH 10% 4X10.5 TA52
L002	0LA0332K039	INDUCTOR,AXIAL LEAD 33UH 10% 4X10.5 TA52
L003	0LA0332K039	INDUCTOR,AXIAL LEAD 33UH 10% 4X10.5 TA52
L004	0LA0102K119	INDUCTOR,AXIAL LEAD 10UH K 2.3*3.4 TP
L01P	0LA0102K119	INDUCTOR,AXIAL LEAD 10UH K 2.3*3.4 TP
L102	0LA0102K119	INDUCTOR,AXIAL LEAD 10UH K 2.3*3.4 TP
L103	0LA0102K119	INDUCTOR,AXIAL LEAD 10UH K 2.3*3.4 TP
L104	0LA0102K139	INDUCTOR,AXIAL LEAD 10UH K 4*10.5 TP
L105	0LA0102K139	INDUCTOR,AXIAL LEAD 10UH K 4*10.5 TP
L1203	0LA0472K119	INDUCTOR,AXIAL LEAD 47UH K 2.3*3.4 TP

LOCA. NO	PART NO	DESCRIPTION
L1204	0LA0472K119	INDUCTOR,AXIAL LEAD 47UH K 2.3*3.4 TP
L201	0LA0102K119	INDUCTOR,AXIAL LEAD 10UH K 2.3*3.4 TP
L202	0LA0102K119	INDUCTOR,AXIAL LEAD 10UH K 2.3*3.4 TP
L203	0LA0102K119	INDUCTOR,AXIAL LEAD 10UH K 2.3*3.4 TP
L204	0LA0102K119	INDUCTOR,AXIAL LEAD 10UH K 2.3*3.4 TP
L205	0LA0102K119	INDUCTOR,AXIAL LEAD 10UH K 2.3*3.4 TP
L206	0LA0102K119	INDUCTOR,AXIAL LEAD 10UH K 2.3*3.4 TP
L207	0LA0102K119	INDUCTOR,AXIAL LEAD 10UH K 2.3*3.4 TP
L208	0LA0102K119	INDUCTOR,AXIAL LEAD 10UH K 2.3*3.4 TP
L209	0LA0102K119	INDUCTOR,AXIAL LEAD 10UH K 2.3*3.4 TP
L210	0LA0102K119	INDUCTOR,AXIAL LEAD 10UH K 2.3*3.4 TP
L211	0LA0102K119	INDUCTOR,AXIAL LEAD 10UH K 2.3*3.4 TP
L212	0LA0102K119	INDUCTOR,AXIAL LEAD 10UH K 2.3*3.4 TP
L213	0LA0102K119	INDUCTOR,AXIAL LEAD 10UH K 2.3*3.4 TP
L214	0LA0102K119	INDUCTOR,AXIAL LEAD 10UH K 2.3*3.4 TP
L215	0LA0102K119	INDUCTOR,AXIAL LEAD 10UH K 2.3*3.4 TP
L216	0LA0102K119	INDUCTOR,AXIAL LEAD 10UH K 2.3*3.4 TP
L2700	150-C02F	COIL,CHOKE 82UH PHY TURN
L2701	150-C02F	COIL,CHOKE 82UH PHY TURN
L2702	150-C02F	COIL,CHOKE 82UH PHY TURN
L2703	150-C02F	COIL,CHOKE 82UH PHY TURN
L2704	0LA0101K119	INDUCTOR,AXIAL LEAD 1.0UH K 2.3*3.4 TP
L2705	0LA0101K119	INDUCTOR,AXIAL LEAD 1.0UH K 2.3*3.4 TP
L2706	0LA0101K119	INDUCTOR,AXIAL LEAD 1.0UH K 2.3*3.4 TP
L2707	0LA0101K119	INDUCTOR,AXIAL LEAD 1.0UH K 2.3*3.4 TP
L2708	0LA0101K119	INDUCTOR,AXIAL LEAD 1.0UH K 2.3*3.4 TP
L2709	0LA0101K119	INDUCTOR,AXIAL LEAD 1.0UH K 2.3*3.4 TP
L2711	0LA0272K139	INDUCTOR,AXIAL LEAD 27UH K 4X10.5 TP
L301	0LA0102K119	INDUCTOR,AXIAL LEAD 10UH K 2.3*3.4 TP
L302	0LA0102K119	INDUCTOR,AXIAL LEAD 10UH K 2.3*3.4 TP
L303	0LA0102K119	INDUCTOR,AXIAL LEAD 10UH K 2.3*3.4 TP
L304	0LA0102K119	INDUCTOR,AXIAL LEAD 10UH K 2.3*3.4 TP
L305	0LA0102K119	INDUCTOR,AXIAL LEAD 10UH K 2.3*3.4 TP
L306	0LA0102K119	INDUCTOR,AXIAL LEAD 10UH K 2.3*3.4 TP
L307	0LA0102K119	INDUCTOR,AXIAL LEAD 10UH K 2.3*3.4 TP
L308	0LA0102K119	INDUCTOR,AXIAL LEAD 10UH K 2.3*3.4 TP
L401	150-717J	COIL,CHOKE CHOKE 560UH (E/W)
L402	6140VE0001P	COIL,LINEARITY 12UH 0.1PHY 30.5TURN USTC
L404	0LA1001K130	INDUCTOR,AXIAL LEAD 1000UH 10% A 4.0 X 10.5
L405	150-717K	COIL,CHOKE 1.1UH PHY TURN
L501	0LA0332K039	INDUCTOR,AXIAL LEAD 33UH 10% 4X10.5 TA52
L508	0LA0121K119	INDUCTOR,AXIAL LEAD 1.2UH K 2.3*3.4 TP
L509	0LA0121K119	INDUCTOR,AXIAL LEAD 1.2UH K 2.3*3.4 TP
L510	0LA0121K119	INDUCTOR,AXIAL LEAD 1.2UH K 2.3*3.4 TP
L705	0LA0102K119	INDUCTOR,AXIAL LEAD 10UH K 2.3*3.4 TP
L707	0LA0121K119	INDUCTOR,AXIAL LEAD 1.2UH K 2.3*3.4 TP
L708	0LA0121K119	INDUCTOR,AXIAL LEAD 1.2UH K 2.3*3.4 TP
L709	0LA0121K119	INDUCTOR,AXIAL LEAD 1.2UH K 2.3*3.4 TP
L810	150-C02F	COIL,CHOKE 82UH PHY TURN
L811	150-C02F	COIL,CHOKE 82UH PHY TURN
L812	150-C02F	COIL,CHOKE 82UH PHY TURN
L813	150-C02F	COIL,CHOKE 82UH PHY TURN

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LOCA. NO	PART NO	DESCRIPTION
L814	150-C02F	COIL,CHOKE 82UH PHY TURN
L815	150-C02F	COIL,CHOKE 82UH PHY TURN
L816	150-C02F	COIL,CHOKE 82UH PHY TURN
L817	150-C02F	COIL,CHOKE 82UH PHY TURN
L818	150-C02F	COIL,CHOKE 82UH PHY TURN
L901	150-C02F	COIL,CHOKE 82UH PHY TURN
L902	150-C02F	COIL,CHOKE 82UH PHY TURN
LT1	0LA0102K119	INDUCTOR,AXIAL LEAD 10UH K 2.3*3.4 TP
LT2	0LA0102K119	INDUCTOR,AXIAL LEAD 10UH K 2.3*3.4 TP
CONNECTOR		
GND3B	366-009D	CONNECTOR (CIRC),WAFER 2.36PAI 1P . K/M
GND3G	366-009D	CONNECTOR (CIRC),WAFER 2.36PAI 1P . K/M
GND3R	366-009D	CONNECTOR (CIRC),WAFER 2.36PAI 1P . K/M
GND4B	366-009D	CONNECTOR (CIRC),WAFER 2.36PAI 1P . K/M
GND4G	366-009D	CONNECTOR (CIRC),WAFER 2.36PAI 1P . K/M
GND4R	366-009D	CONNECTOR (CIRC),WAFER 2.36PAI 1P . K/M
GND9B	366-009D	CONNECTOR (CIRC),WAFER 2.36PAI 1P . K/M
P001	366-173L	CONNECTOR (CIRC),WAFER 2.5MM 12*2P
P002	366-173G	CONNECTOR (CIRC),WAFER 2.5MM 8*2P
P002A	366-921H	CONNECTOR (CIRC),WAFER 2.5MM 9P GILG LG
P003	366-173L	CONNECTOR (CIRC),WAFER 2.5MM 12*2P
P003A	387-A08A	CONNECTOR ASSEMBLY,8P 2.5MM 100MM HB
P003B	366-921G	CONNECTOR (CIRC),WAFER 2.5MM 8P GILG LG
P004	366-922M	CONNECTOR (CIRC),WAFER 2.5MM 13P GILG LG
P004EP	366-932D	CONNECTOR (CIRC),WAFER 2.5MM 5P GILG LG
P005	366-922B	CONNECTOR (CIRC),WAFER 2.5MM 3P GILG LG
P005A	6631V25A04A	CONNECTOR ASSEMBLY 14P 2.5MM 100MM HB
P005B	366-921N	CONNECTOR (CIRC),WAFER WAFER ILG 14(2.5S)
P006IP	366-932E	CONNECTOR (CIRC),WAFER 2.5MM 6P GILG LG
P01A	366-173G	CONNECTOR (CIRC),WAFER 2.5MM 8*2P
P03A	366-173G	CONNECTOR (CIRC),WAFER 2.5MM 8*2P
P06A	366-921C	CONNECTOR (CIRC),WAFER 2.5MM 4P GILG LG
P07A	366-921D	CONNECTOR (CIRC),WAFER 2.5MM 5P GILG LG
P07B	366-921D	CONNECTOR (CIRC),WAFER 2.5MM 5P GILG LG
P08A	366-932C	CONNECTOR (CIRC),WAFER 2.5MM 4P GILG LG
P09A	366-932B	CONNECTOR (CIRC),WAFER 2.5MM 3P GILG LG
P1	366-009D	CONNECTOR (CIRC),WAFER 2.36PAI 1P . K/M
P101A	366-922L	CONNECTOR (CIRC),WAFER 2.5MM 12P GILG LG
P10A	366-932B	CONNECTOR (CIRC),WAFER 2.5MM 3P GILG LG
P119A	366-009D	CONNECTOR (CIRC),WAFER 2.36PAI 1P . K/M
P11A	366-932C	CONNECTOR (CIRC),WAFER 2.5MM 4P GILG LG
P2	366-009D	CONNECTOR (CIRC),WAFER 2.36PAI 1P . K/M
P2001	366-173L	CONNECTOR (CIRC),WAFER 2.5MM 12*2P
P201	366-922L	CONNECTOR (CIRC),WAFER 2.5MM 12P GILG LG
P202	6602V00010B	CONNECTOR (CIRC),WAFER ETC 32P 533190320
P203	6602V00010B	CONNECTOR (CIRC),WAFER ETC 32P 533190320
P211B	366-173N	CONNECTOR (CIRC),WAFER AEPH254D28R(14*2)
P212B	366-173L	CONNECTOR (CIRC),WAFER 2.5MM 12*2P
P213B	366-173N	CONNECTOR (CIRC),WAFER AEPH254D28R(14*2)
P214B	366-173N	CONNECTOR (CIRC),WAFER AEPH254D28R(14*2)
P3	366-009D	CONNECTOR (CIRC),WAFER 2.36PAI 1P . K/M

LOCA. NO	PART NO	DESCRIPTION
P401A	387-A08A	CONNECTOR ASSEMBLY 8P 2.5MM 100MM HB
P401B	366-921G	CONNECTOR (CIRC),WAFER 2.5MM 8P GILG LG
P402A	6631V25A04A	CONNECTOR ASSEMBLY 14P 2.5MM 100MM HB
P402B	366-921N	CONNECTOR (CIRC),WAFER WAFER ILG 14(2.5S)
P403A	387-A08A	CONNECTOR ASSEMBLY 8P 2.5MM 100MM HB
P403B	366-921G	CONNECTOR (CIRC),WAFER 2.5MM 8P GILG LG
P404	366-173E	CONNECTOR (CIRC),WAFER 2.5MM 6*2P
P404A	387-A15A	CONNECTOR ASSEMBLY 12P 2.5MM 100MM HB
P404B	366-921L	CONNECTOR (CIRC),WAFER 2.5MM 12P GILG LG
P405B	366-932C	CONNECTOR (CIRC),WAFER 2.5MM 4P GILG LG
P501A	366-922B	CONNECTOR (CIRC),WAFER 2.5MM 3P GILG LG
P502B	366-922C	CONNECTOR (CIRC),WAFER 2.5MM 4P GILG LG
P810A	387-A15D	CONNECTOR ASSEMBLY 12P 2.5MM 250MM HB
P811A	387-A10E	CONNECTOR ASSEMBLY 10P 2.5MM 300MM HB
P812	387-A08D	CONNECTOR ASSEMBLY 8P 2.5MM 250MM HB
P880	6631V23001X	CONNECTOR ASSEMBLY 3P 10.0MM 350MM HH
P881	6631V23002K	CONNECTOR ASSEMBLY 2P 10.0MM 600MM HH
P901A	366-922J	CONNECTOR (CIRC),WAFER 2.5MM 10P GILG LG
P901B	366-921J	CONNECTOR (CIRC),WAFER 2.5MM 10P GILG LG
P902B	366-921D	CONNECTOR (CIRC),WAFER 2.5MM 5P GILG LG
P903A	387-A09F	CONNECTOR ASSEMBLY 9P 2.5MM 350MM HB
P903B	366-921H	CONNECTOR (CIRC),WAFER 2.5MM 9P GILG LG
P904A	387-A09F	CONNECTOR ASSEMBLY 9P 2.5MM 350MM HB
P904B	366-921H	CONNECTOR (CIRC),WAFER 2.5MM 9P GILG LG
RESISTOR		
AR001	0RRZVTA001A	R OHM 100 OHM 5% CHIP 100 OHM*4
AR002	0RRZVTA001A	R OHM 100 OHM 5% CHIP 100 OHM*4
AR003	0RRZVTA001A	R OHM 100 OHM 5% CHIP 100 OHM*4
AR004	0RRZVTA001A	R OHM 100 OHM 5% CHIP 100 OHM*4
AR005	0RRZVTA001A	R OHM 100 OHM 5% CHIP 100 OHM*4
AR006	0RRZVTA001A	R OHM 100 OHM 5% CHIP 100 OHM*4
AR007	0RRZVTA001A	R OHM 100 OHM 5% CHIP 100 OHM*4
AR008	0RRZVTA001A	R OHM 100 OHM 5% CHIP 100 OHM*4
AR009	0RRZVTA001A	R OHM 100 OHM 5% CHIP 100 OHM*4
AR010	0RRZVTA001A	R OHM 100 OHM 5% CHIP 100 OHM*4
D408	0RD8202F609	82K OHM 1/6 W 5.00% TA52
J179	0RD2201F609	2.2K OHM 1/6 W 5.00% TA52
J184	0RD2201F609	2.2K OHM 1/6 W 5.00% TA52
J410	0RS1001H609	1K OHM 1/2 W 5.00% TA52
J464	0RD1202F609	12K OHM 1/6 W 5% TA52
L2712	0RS0331H609	3.3 OHM 1/2 W 5.00% TA52
L403	0RF0331K607	3.3 OHM 2 W 5.00% TA62
L504	0RD3000F609	300 OHM 1/6 W 5.00% TA52
R002	0RD2200F609	220 OHM 1/6 W 5.00% TA52
R003	0RD2200F609	220 OHM 1/6 W 5.00% TA52
R005	0RD1001F609	1K OHM 1/6 W 5% TA52
R007	0RD1001F609	1K OHM 1/6 W 5% TA52
R008	0RD1001F609	1K OHM 1/6 W 5% TA52
R010	0RD4701F609	4.7K OHM 1/6 W 5% TA52
R011	0RD1002F609	10K OHM 1/6 W 5% TA52
R012	0RD4701F609	4.7K OHM 1/6 W 5% TA52

For Capacitor & Resistors, the charactors at 2nd and 3rd digit in the P/No. means as follows;	CC, CX, CK, CN : Ceramic CQ : Polyestor CE : Electrolytic	RD : Carbon Film RS : Metal Oxide Film RN : Metal Film RF : Fusible

LOCA. NO	PART NO	DESCRIPTION
R013	0RD2001F609	2K OHM 1/6 W 5% TA52
R014	0RD4702F609	47K OHM 1/6 W 5% TA52
R015	0RD2200F609	220 OHM 1/6 W 5.00% TA52
R016	0RD3600F609	360 OHM 1/6 W 5.00% TA52
R017	0RD2200F609	220 OHM 1/6 W 5.00% TA52
R018	0RD3600F609	360 OHM 1/6 W 5.00% TA52
R019	0RD1100F609	110 OHM 1/6 W 5.00% TA52
R020	0RD3600F609	360 OHM 1/6 W 5.00% TA52
R023	0RD6200F609	620 OHM 1/6 W 5.00% TA52
R024	0RD6200F609	620 OHM 1/6 W 5.00% TA52
R025	0RD6200F609	620 OHM 1/6 W 5.00% TA52
R026	0RD1001F609	1K OHM 1/6 W 5% TA52
R029	0RD2200F609	220 OHM 1/6 W 5.00% TA52
R030	0RD1002F609	10K OHM 1/6 W 5% TA52
R031	0RD5601F609	5.6K OHM 1/6 W 5% TA52
R032	0RD4701F609	4.7K OHM 1/6 W 5% TA52
R033	0RD4701F609	4.7K OHM 1/6 W 5% TA52
R034	0RD4701F609	4.7K OHM 1/6 W 5% TA52
R035	0RD4701F609	4.7K OHM 1/6 W 5% TA52
R036	0RD4701F609	4.7K OHM 1/6 W 5% TA52
R037	0RD4701F609	4.7K OHM 1/6 W 5% TA52
R038	0RD4701F609	4.7K OHM 1/6 W 5% TA52
R039	0RD4701F609	4.7K OHM 1/6 W 5% TA52
R040	0RD1000F609	100 OHM 1/6 W 5% TA52
R041	0RD1002F609	10K OHM 1/6 W 5% TA52
R042	0RD1000F609	100 OHM 1/6 W 5% TA52
R043	0RD1000F609	100 OHM 1/6 W 5% TA52
R044	0RD1000F609	100 OHM 1/6 W 5% TA52
R045	0RD1000F609	100 OHM 1/6 W 5% TA52
R046	0RD2001F609	2K OHM 1/6 W 5% TA52
R048	0RD1000F609	100 OHM 1/6 W 5% TA52
R050	0RD1000F609	100 OHM 1/6 W 5% TA52
R051	0RD1002F609	10K OHM 1/6 W 5% TA52
R052	0RD2201F609	2.2K OHM 1/6 W 5.00% TA52
R055	0RD1000F609	100 OHM 1/6 W 5% TA52
R057	0RD1000F609	100 OHM 1/6 W 5% TA52
R058	0RD5600F609	560 OHM 1/6 W 5% TA52
R101	0RD2700F609	270 OHM 1/6 W 5% TA52
R102	0RD2200F609	220 OHM 1/6 W 5.00% TA52
R103	0RD0102F609	10 OHM 1/6 W 5% TA52
R104	0RD1001H609	1K OHM 1/2 W 5.00% TA52
R105	0RD1002F609	10K OHM 1/6 W 5% TA52
R106	0RD3301F609	3.3K OHM 1/6 W 5.00% TA52
R107	0RD4701F609	4.7K OHM 1/6 W 5% TA52
R108	0RD1001F609	1K OHM 1/6 W 5% TA52
R109	0RD2201F609	2.2K OHM 1/6 W 5.00% TA52
R110	0RD2201F609	2.2K OHM 1/6 W 5.00% TA52
R111	0RD4701F609	4.7K OHM 1/6 W 5% TA52
R112	0RD4701F609	4.7K OHM 1/6 W 5% TA52
R113	0RD0102F609	10 OHM 1/6 W 5% TA52
R114	0RD4701F609	4.7K OHM 1/6 W 5% TA52
R116	0RD1000F609	100 OHM 1/6 W 5% TA52

LOCA. NO	PART NO	DESCRIPTION
R117	0RD1000F609	100 OHM 1/6 W 5% TA52
R118	0RD4701F609	4.7K OHM 1/6 W 5% TA52
R119	0RD2201F609	2.2K OHM 1/6 W 5.00% TA52
R120	0RD2201F609	2.2K OHM 1/6 W 5.00% TA52
R121	0RD1000F609	100 OHM 1/6 W 5% TA52
R1201	0RD0752F609	75 OHM 1/6 W 5.00% TA52
R1202	0RD0752F609	75 OHM 1/6 W 5.00% TA52
R1203	0RD0752F609	75 OHM 1/6 W 5.00% TA52
R1204	0RD2403F609	240K OHM 1/6 W 5.00% TA52
R1205	0RD2403F609	240K OHM 1/6 W 5.00% TA52
R122	0RD5601F609	5.6K OHM 1/6 W 5% TA52
R123	0RD1001F609	1K OHM 1/6 W 5% TA52
R124	0RD1001F609	1K OHM 1/6 W 5% TA52
R126	0RD1000F609	100 OHM 1/6 W 5% TA52
R127	0RD1002F609	10K OHM 1/6 W 5% TA52
R128	0RD4700F609	470 OHM 1/6 W 0.05 TA52
R129	0RD0102F609	10 OHM 1/6 W 5% TA52
R130	0RD2201F609	2.2K OHM 1/6 W 5.00% TA52
R131	0RD2201F609	2.2K OHM 1/6 W 5.00% TA52
R132	0RD1000F609	100 OHM 1/6 W 5% TA52
R133	0RD1000F609	100 OHM 1/6 W 5% TA52
R135	0RD4701F609	4.7K OHM 1/6 W 5% TA52
R136	0RD2700F609	270 OHM 1/6 W 5% TA52
R137	0RD2200F609	220 OHM 1/6 W 5.00% TA52
R138	0RD1000F609	100 OHM 1/6 W 5% TA52
R139	0RD4701F609	4.7K OHM 1/6 W 5% TA52
R140	0RD1001H609	1K OHM 1/2 W 5.00% TA52
R141	0RD4700F609	470 OHM 1/6 W 0.05 TA52
R201	0RD0102H609	10 OHM 1/2 W 5.00% TA52
R2057	0RN1001G509	1K OHM 1/4 W 2.00% TA52
R2095	0RF0470K607	0.47 OHM 2 W 5.00% TA62
R2096	0RF0470K607	0.47 OHM 2 W 5.00% TA62
R2700	0RS2200K607	220 OHM 2 W 5.00% TA62
R2701	0RD1000F609	100 OHM 1/6 W 5% TA52
R2702	0RD1000F609	100 OHM 1/6 W 5% TA52
R2703	0RD2701F609	2.7K OHM 1/6 W 5% TA52
R2704	0RD2701F609	2.7K OHM 1/6 W 5% TA52
R2705	0RD2701F609	2.7K OHM 1/6 W 5% TA52
R2706	0RD2701F609	2.7K OHM 1/6 W 5% TA52
R2707	0RD2701F609	2.7K OHM 1/6 W 5% TA52
R2708	0RD2701F609	2.7K OHM 1/6 W 5% TA52
R2709	0RD3301F609	3.3K OHM 1/6 W 5.00% TA52
R2710	0RD3301F609	3.3K OHM 1/6 W 5.00% TA52
R2711	0RD3301F609	3.3K OHM 1/6 W 5.00% TA52
R2712	0RD3301F609	3.3K OHM 1/6 W 5.00% TA52
R2713	0RD3301F609	3.3K OHM 1/6 W 5.00% TA52
R2714	0RD3301F609	3.3K OHM 1/6 W 5.00% TA52
R2715	0RD4701F609	4.7K OHM 1/6 W 5% TA52
R2716	0RD4701F609	4.7K OHM 1/6 W 5% TA52
R2717	0RD2702F609	27K OHM 1/6 W 5.00% TA52
R2718	0RD2702F609	27K OHM 1/6 W 5.00% TA52
R2719	0RD4702F609	47K OHM 1/6 W 5% TA52

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LOCA. NO	PART NO	DESCRIPTION
R2720	0RD4702F609	47K OHM 1/6 W 5% TA52
R2721	0RD4702F609	47K OHM 1/6 W 5% TA52
R2722	0RD4702F609	47K OHM 1/6 W 5% TA52
R2723	0RD4702F609	47K OHM 1/6 W 5% TA52
R2724	0RD4702F609	47K OHM 1/6 W 5% TA52
R2725	0RS0391K607	3.9 OHM 2 W 5.00% TA62
R2726	0RS0391K607	3.9 OHM 2 W 5.00% TA62
R2727	0RS0391K607	3.9 OHM 2 W 5.00% TA62
R2728	0RS0391K607	3.9 OHM 2 W 5.00% TA62
R2729	0RS0391K607	3.9 OHM 2 W 5.00% TA62
R2730	0RS0391K607	3.9 OHM 2 W 5.00% TA62
R2731	0RS0561K607	5.6 OHM 2 W 5.00% TA62
R2732	0RS0561K607	5.6 OHM 2 W 5.00% TA62
R2733	0RS0561K607	5.6 OHM 2 W 5.00% TA62
R2734	0RS0561K607	5.6 OHM 2 W 5.00% TA62
R2735	0RS0561K607	5.6 OHM 2 W 5.00% TA62
R2736	0RS0561K607	5.6 OHM 2 W 5.00% TA62
R2737	0RS2200K607	220 OHM 2 W 5.00% TA62
R2738	0RS2200K607	220 OHM 2 W 5.00% TA62
R2739	0RS2200K607	220 OHM 2 W 5.00% TA62
R2740	0RS2200K607	220 OHM 2 W 5.00% TA62
R2741	0RS2200K607	220 OHM 2 W 5.00% TA62
R2742	0RS2200K607	220 OHM 2 W 5.00% TA62
R2743	0RS2200K607	220 OHM 2 W 5.00% TA62
R2744	0RS2200K607	220 OHM 2 W 5.00% TA62
R2745	0RS2200K607	220 OHM 2 W 5.00% TA62
R2746	0RS2200K607	220 OHM 2 W 5.00% TA62
R2747	0RS2200K607	220 OHM 2 W 5.00% TA62
R2748	0RD1000F609	100 OHM 1/6 W 5% TA52
R2780	0RD1601F609	1.6K OHM 1/6 W 5.00% TA52
R2781	0RD1001F609	1K OHM 1/6 W 5% TA52
R2782	0RD1601F609	1.6K OHM 1/6 W 5.00% TA52
R2783	0RD1001F609	1K OHM 1/6 W 5% TA52
R2784	0RD1601F609	1.6K OHM 1/6 W 5.00% TA52
R2785	0RD1001F609	1K OHM 1/6 W 5% TA52
R2786	0RD1601F609	1.6K OHM 1/6 W 5.00% TA52
R2787	0RD1001F609	1K OHM 1/6 W 5% TA52
R2788	0RD1601F609	1.6K OHM 1/6 W 5.00% TA52
R2789	0RD1001F609	1K OHM 1/6 W 5% TA52
R2790	0RD1601F609	1.6K OHM 1/6 W 5.00% TA52
R2791	0RD1001F609	1K OHM 1/6 W 5% TA52
R2792	0RD4701F609	4.7K OHM 1/6 W 5% TA52
R2793	0RD1002F609	10K OHM 1/6 W 5% TA52
R2794	0RD4701F609	4.7K OHM 1/6 W 5% TA52
R2807	0RD1001F609	1K OHM 1/6 W 5% TA52
R2950	0RD1004F609	1M OHM 1/6 W 5% TA52
R2951	0RD4703F609	470K OHM 1/6 W 5.00% TA52
R2952	0RD1004F609	1M OHM 1/6 W 5% TA52
R2953	0RD4703F609	470K OHM 1/6 W 5.00% TA52
R2954	0RD1002F609	10K OHM 1/6 W 5% TA52
R2955	0RD1002F609	10K OHM 1/6 W 5% TA52
R2956	0RD1002F609	10K OHM 1/6 W 5% TA52

LOCA. NO	PART NO	DESCRIPTION
R2957	0RD1002F609	10K OHM 1/6 W 5% TA52
R2958	0RD1004F609	1M OHM 1/6 W 5% TA52
R2959	0RD1004F609	1M OHM 1/6 W 5% TA52
R2960	0RD3003F609	300K OHM 1/6 W 5.00% TA52
R2961	0RD3003F609	300K OHM 1/6 W 5.00% TA52
R2962	0RD5101F609	5.1K OHM 1/6 W 5.00% TA52
R2965	0RD1002F609	10K OHM 1/6 W 5% TA52
R2966	0RD1002F609	10K OHM 1/6 W 5% TA52
R2967	0RD1004F609	1M OHM 1/6 W 5% TA52
R2968	0RD1004F609	1M OHM 1/6 W 5% TA52
R2969	0RD1004F609	1M OHM 1/6 W 5% TA52
R2970	0RD1004F609	1M OHM 1/6 W 5% TA52
R2971	0RD5101F609	5.1K OHM 1/6 W 5.00% TA52
R2972	0RD1002F609	10K OHM 1/6 W 5% TA52
R2973	0RD1002F609	10K OHM 1/6 W 5% TA52
R326	0RS1001H609	1K OHM 1/2 W 5.00% TA52
R327	0RS1001H609	1K OHM 1/2 W 5.00% TA52
R400	0RF0470K607	0.47 OHM 2 W 5.00% TA62
R401	0RS1201K607	1.2K OHM 2 W 5.00% TA62
R402	0RD1001F609	1K OHM 1/6 W 5% TA52
R403	0RS2200K607	220 OHM 2 W 5.00% TA62
R404	0RD6200F609	620 OHM 1/6 W 5.00% TA52
R405	0RS3902K607	39K OHM 2 W 5.00% TA62
R406	0RS3902K607	39K OHM 2 W 5.00% TA62
R407	0RS1203K607	120K OHM 2 W 5.00% TA62
R408	0RD1000H609	100 OHM 1/2 W 5.00% TA52
R409	0RS5101H609	5.1K OHM 1/2 W 5.00% TA52
R40A	0RD4702F609	47K OHM 1/6 W 5% TA52
R40C	0RD1002F609	10K OHM 1/6 W 5% TA52
R40D	0RD0222F609	22 OHM 1/6 W 5.00% TA52
R40E	0RD7502F609	75K OHM 1/6 W 5.00% TA52
R40F	0RS1002H609	10K OHM 1/2 W 5.00% TA52
R40G	0RD0682F609	68 OHM 1/6 W 5.00% TA52
R40H	0RD3600F609	360 OHM 1/6 W 5.00% TA52
R40I	0RD4701F609	4.7K OHM 1/6 W 5% TA52
R40J	0RD4701F609	4.7K OHM 1/6 W 5% TA52
R40K	0RD2403H609	240K OHM 1/2 W 5.00% TA52
R40L	0RD1501H609	1.5K OHM 1/2 W 5.00% TA52
R40M	0RD2001H609	2K OHM 1/2 W 5.00% TA52
R40N	0RF0470H609	0.47 OHM 1/2 W 5.00% TA52
R40P	0RD2201F609	2.2K OHM 1/6 W 5.00% TA52
R40Q	0RD2701F609	2.7K OHM 1/6 W 5% TA52
R40R	0RD1201F609	1.2K OHM 1/6 W 5% TA52
R40S	0RD2701F609	2.7K OHM 1/6 W 5% TA52
R40T	0RD1002F609	10K OHM 1/6 W 5% TA52
R40U	0RD4700F609	470 OHM 1/6 W 0.05 TA52
R40V	0RD6201F609	6.2K OHM 1/6 W 5.00% TA52
R40W	0RD4301F609	4.3K OHM 1/6 W 5.00% TA52
R40X	0RD1001F609	1K OHM 1/6 W 5% TA52
R40Y	0RF0470H609	0.47 OHM 1/2 W 5.00% TA52
R40Z	0RD4700H609	470 OHM 1/2 W 5.00% TA52
R410	0RS4701K607	4.7K OHM 2 W 5.00% TA62

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LOCA. NO	PART NO	DESCRIPTION
R411	0RD1502H609	15K OHM 1/2 W 5.00% TA52
R412	0RD1801H609	1.8K OHM 1/2 W 5.00% TA52
R413	0RS1203K607	120K OHM 2 W 5.00% TA62
R414	0RF0470K607	0.47 OHM 2 W 5.00% TA62
R415	180-A01F	RW ROUND G 2W 0.50 J TA31(63)
R416	180-C02M	5.6K OHM 1/2 W 10% TA52 (RC 1/2W 5.6K K TA)
R417	0RD1501H609	1.5K OHM 1/2 W 5.00% TA52
R419	0RS0221H609	2.2 OHM 1/2 W 5.00% TA52
R41A	0RD1000F609	100 OHM 1/6 W 5% TA52
R41D	0RD1002F609	10K OHM 1/6 W 5% TA52
R41E	0RS1201K607	1.2K OHM 2 W 5.00% TA62
R41G	0RD2200H609	220 OHM 1/2 W 5.00% TA52
R41H	0RS4701K607	4.7K OHM 2 W 5.00% TA62
R41L	0RD4701F609	4.7K OHM 1/6 W 5% TA52
R41N	180-A01F	RW ROUND G 2W 0.50 J TA31(63)
R420	0RD3302F609	33K OHM 1/6 W 5% TA52
R421	0RD0102F609	10 OHM 1/6 W 5% TA52
R422	0RD1003H609	100K OHM 1/2 W 5.00% TA52
R423	0RS1201K607	1.2K OHM 2 W 5.00% TA62
R424	0RD1002F609	10K OHM 1/6 W 5% TA52
R425	0RF0141K607	1.4 OHM 2 W 5.00% TA62
R426	0RF0101K607	1 OHM 2 W 5.00% TA62
R428	0RN5601F409	5.6K OHM 1/6 W 1.00% TA52
R429	0RD1303F609	130K OHM 1/6 W 5.00% TA52
R430	0RS4702H609	47K OHM 1/2 W 5.00% TA52
R431	0RS0101H609	1 OHM 1/2 W 5.00% TA52
R432	0RD4700H609	470 OHM 1/2 W 5.00% TA52
R433	0RF0101K607	1 OHM 2 W 5.00% TA62
R434	0RF0141K607	1.4 OHM 2 W 5.00% TA62
R435	0RN5601F409	5.6K OHM 1/6 W 1.00% TA52
R436	0RD1002F609	10K OHM 1/6 W 5% TA52
R437	0RD2201F609	2.2K OHM 1/6 W 5.00% TA52
R438	0RD2001F609	2K OHM 1/6 W 5% TA52
R439	0RD2201F609	2.2K OHM 1/6 W 5.00% TA52
R440	0RD1501F609	1.5K OHM 1/6 W 5% TA52
R441	0RD1002F609	10K OHM 1/6 W 5% TA52
R442	0RD5101F609	5.1K OHM 1/6 W 5.00% TA52
R443	0RD0472F609	47 OHM 1/6 W 5% TA52
R444	0RD1001F609	1K OHM 1/6 W 5% TA52
R445	0RD1000H609	100 OHM 1/2 W 5.00% TA52
R446	0RD5602F609	56K OHM 1/6 W 5% TA52
R447	0RD9102H609	91K OHM 1/2 W 5.00% TA52
R448	0RD2002F609	20K OHM 1/6 W 5.00% TA52
R449	0RD1002F609	10K OHM 1/6 W 5% TA52
R450	0RD1501H609	1.5K OHM 1/2 W 5.00% TA52
R451	0RD1001F609	1K OHM 1/6 W 5% TA52
R452	0RD1501H609	1.5K OHM 1/2 W 5.00% TA52
R453	0RD1000H609	100 OHM 1/2 W 5.00% TA52
R454	0RS0470H609	0.47 OHM 1/2 W 5.00% TA52
R455	0RD1000H609	100 OHM 1/2 W 5.00% TA52
R456	0RD1002F609	10K OHM 1/6 W 5% TA52
R457	0RD1001F609	1K OHM 1/6 W 5% TA52

LOCA. NO	PART NO	DESCRIPTION
R458	0RD3003F609	300K OHM 1/6 W 5.00% TA52
R459	0RD1002F609	10K OHM 1/6 W 5% TA52
R460	0RD1000F609	100 OHM 1/6 W 5% TA52
R461	0RD1002F609	10K OHM 1/6 W 5% TA52
R462	0RD1001F609	1K OHM 1/6 W 5% TA52
R463	0RD1001F609	1K OHM 1/6 W 5% TA52
R464	0RD2001F609	2K OHM 1/6 W 5% TA52
R465	0RD1501F609	1.5K OHM 1/6 W 5% TA52
R466	0RD1001F609	1K OHM 1/6 W 5% TA52
R467	0RD1000F609	100 OHM 1/6 W 5% TA52
R468	0RD4700F609	470 OHM 1/6 W 0.05 TA52
R469	0RS4701K607	4.7K OHM 2 W 5.00% TA62
R470	0RS2002H609	20K OHM 1/2 W 5.00% TA52
R473	0RD3601F609	3.6K OHM 1/6 W 5.00% TA52
R474	0RD2701H609	2.7K OHM 1/2 W 5.00% TA52
R475	0RD2200H609	220 OHM 1/2 W 5.00% TA52
R476	0RS4701K607	4.7K OHM 2 W 5.00% TA62
R477	0RD3301F609	3.3K OHM 1/6 W 5.00% TA52
R478	0RS2001K607	2K OHM 2 W 5.00% TA62
R479	0RD5601F609	5.6K OHM 1/6 W 5% TA52
R480	0RS2001K607	2K OHM 2 W 5.00% TA62
R481	0RS3902K607	39K OHM 2 W 5.00% TA62
R482	0RS3902K607	39K OHM 2 W 5.00% TA62
R483	0RN2002F409	20K OHM 1/6 W 1.00% TA52
R484	0RN9102F409	91K OHM 1/6 W 1.00% TA52
R485	0RS0561K607	5.6 OHM 2 W 5.00% TA62
R486	0RS1002H609	10K OHM 1/2 W 5.00% TA52
R487	0RS0561K607	5.6 OHM 2 W 5.00% TA62
R488	180-A01E	2 W RW ROUND G 2W 0.33J TA31(63)
R489	0RD0472F609	47 OHM 1/6 W 5% TA52
R490	0RN2202F409	22K OHM 1/6 W 1.00% TA52
R491	180-A01B	RW ROUND G 2W 0.11 K TA31(63)
R492	0RD1001F609	1K OHM 1/6 W 5% TA52
R493	0RF0470H609	0.47 OHM 1/2 W 5.00% TA52
R494	0RF0121H609	1.2 OHM 1/2 W 5.00% TA52
R495	0RD1001F609	1K OHM 1/6 W 5% TA52
R496	0RD1602F609	16K OHM 1/6 W 5.00% TA52
R497	0RD5601F609	5.6K OHM 1/6 W 5% TA52
R498	0RS2702H609	27K OHM 1/2 W 5.00% TA52
R499	0RD2002F609	20K OHM 1/6 W 5.00% TA52
R501	0RD1001F609	1K OHM 1/6 W 5% TA52
R503	0RD4701F609	4.7K OHM 1/6 W 5% TA52
R504	0RD2201F609	2.2K OHM 1/6 W 5.00% TA52
R505	0RD0102F609	10 OHM 1/6 W 5% TA52
R506	0RD1000F609	100 OHM 1/6 W 5% TA52
R507	0RD1000F609	100 OHM 1/6 W 5% TA52
R508	0RD1001F609	1K OHM 1/6 W 5% TA52
R509	0RD1001F609	1K OHM 1/6 W 5% TA52
R516	0RD0822F609	82 OHM 1/6 W 5.00% TA52
R517	0RD0822F609	82 OHM 1/6 W 5.00% TA52
R518	0RD0822F609	82 OHM 1/6 W 5.00% TA52
R519	0RD1000F609	100 OHM 1/6 W 5% TA52

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RD : Carbon Film
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RN : Metal Film
RF : Fusible

The components identified by mark ⚠ are critical for safety.
Replace only with part number specified.

LOCA. NO	PART NO	DESCRIPTION
R520	0RD1001F609	1K OHM 1/6 W 5% TA52
R521	0RD1001F609	1K OHM 1/6 W 5% TA52
R600	0RD1201F609	1.2K OHM 1/6 W 5% TA52
R601	0RD3301F609	3.3K OHM 1/6 W 5.00% TA52
R602	0RD1201F609	1.2K OHM 1/6 W 5% TA52
R604	0RD3301F609	3.3K OHM 1/6 W 5.00% TA52
R608	0RD1002F609	10K OHM 1/6 W 5% TA52
R611	0RD2201F609	2.2K OHM 1/6 W 5.00% TA52
R613	0RD1002F609	10K OHM 1/6 W 5% TA52
R614	0RD2702F609	27K OHM 1/6 W 5.00% TA52
R615	0RD2702F609	27K OHM 1/6 W 5.00% TA52
R618	0RD4703F609	470K OHM 1/6 W 5.00% TA52
R621	0RD1502F609	15K OHM 1/6 W 5.00% TA52
R623	0RD2703F609	270K OHM 1/6 W 0.05 TA52
R624	0RD1502F609	15K OHM 1/6 W 5.00% TA52
R626	0RD6800F609	680 OHM 1/6 W 5% TA52
R636	0RD1001F609	1K OHM 1/6 W 5% TA52
R638	0RD6800F609	680 OHM 1/6 W 5% TA52
R650	0RD1001F609	1K OHM 1/6 W 5% TA52
R663	0RD0471F609	4.7 OHM 1/6 W 5% TA52
R664	0RD0471F609	4.7 OHM 1/6 W 5% TA52
R665	0RD1002F609	10K OHM 1/6 W 5% TA52
R667	180-777H	RWR 7W 910 J VERT
R668	180-777H	RWR 7W 910 J VERT
R669	0RD4702F609	47K OHM 1/6 W 5% TA52
R671	0RD1502F609	15K OHM 1/6 W 5.00% TA52
R742	0RN2202F409	22K OHM 1/6 W 1.00% TA52
R756	0RN1002F409	10K OHM 1/6 W 1.00% TA52
R800	0RKZVTA001K	0.47M OHM 1/2 W 5% TA52 PILKOR
R801	0RS4702K607	47K OHM 2 W 5.00% TA62
R802	0RS4702K607	47K OHM 2 W 5.00% TA62
R803	0RD4701F609	4.7K OHM 1/6 W 5% TA52
R804	0RD9101F609	9.1K OHM 1/6 W 5.00% TA52
R805	0RD0472H609	47 OHM 1/2 W 5.00% TA52
R806	0RD6802H609	68K OHM 1/2 W 5.00% TA52
R807	0RD1001F609	1K OHM 1/6 W 5% TA52
R808	180-A01D	RW ROUND G 2W 0.16 J TA31(63)
R809	180-A01D	RW ROUND G 2W 0.16 J TA31(63)
R810	0RD0222H609	22 OHM 1/2 W 5.00% TA52
R811	0RD2201F609	2.2K OHM 1/6 W 5.00% TA52
⚠ R812	0RKZVTA001K	0.47M OHM 1/2 W 5% TA52 PILKOR
R813	0RN5602F409	56K OHM 1/6 W 1.00% TA52
R814	0RN2202F409	22K OHM 1/6 W 1.00% TA52
R819	0RS0222H609	22 OHM 1/2 W 5.00% TA52
R825	0RD2002F609	20K OHM 1/6 W 5.00% TA52
R826	0RD4701F609	4.7K OHM 1/6 W 5% TA52
R827	0RD1201F609	1.2K OHM 1/6 W 5% TA52
R828	0RD2001F609	2K OHM 1/6 W 5% TA52
R831	0RD5602F609	56K OHM 1/6 W 5% TA52
R832	0RD4302F609	43K OHM 1/6 W 5.00% TA52
R838	180-777H	RWR 7W 910 J VERT
⚠ R839	0RKZVTA001D	10M OHM 1/2 W 5% TA52 UL PILKOR

LOCA. NO	PART NO	DESCRIPTION
R842	0RS0161K607	1.6 OHM 2 W 5.00% TA62
R845	180-A03G	7 W RW RECT G 39 J DOUBLE
R856	0RD1503H609	150K OHM 1/2 W 5.00% TA52
R861	0RS6202K607	62K OHM 2 W 5.00% TA62
R862	0RS4703K607	470K OHM 2 W 5.00% TA62
R863	0RS9102K607	91K OHM 2 W 5.00% TA62
R864	0RD0222H609	22 OHM 1/2 W 5.00% TA52
R865	0RD1001F609	1K OHM 1/6 W 5% TA52
R866	0RD1001F609	1K OHM 1/6 W 5% TA52
R867	0RD3001F609	3K OHM 1/6 W 5.00% TA52
R868	0RD3601F609	3.6K OHM 1/6 W 5.00% TA52
R869	0RD1501F609	1.5K OHM 1/6 W 5% TA52
R901B	0RD1000F609	100 OHM 1/6 W 5% TA52
R901G	0RD1000F609	100 OHM 1/6 W 5% TA52
R901R	0RD1000F609	100 OHM 1/6 W 5% TA52
R902B	0RD5101F609	5.1K OHM 1/6 W 5.00% TA52
R902G	0RD5101F609	5.1K OHM 1/6 W 5.00% TA52
R902R	0RD5101F609	5.1K OHM 1/6 W 5.00% TA52
R903B	0RN3001F409	3K OHM 1/6 W 1.00% TA52
R903G	0RN3001F409	3K OHM 1/6 W 1.00% TA52
R903R	0RN3601F409	3.6K OHM 1/6 W 1.00% TA52
R904B	0RD6200F609	620 OHM 1/6 W 5.00% TA52
R904G	0RD6200F609	620 OHM 1/6 W 5.00% TA52
R904R	0RD6200F609	620 OHM 1/6 W 5.00% TA52
R905	0RD0822F609	82 OHM 1/6 W 5.00% TA52
R905B	0RD0102F609	10 OHM 1/6 W 5% TA52
R905G	0RD0102F609	10 OHM 1/6 W 5% TA52
R905R	0RD0102F609	10 OHM 1/6 W 5% TA52
R906	0RD0622F609	62 OHM 1/6 W 5.00% TA52
R906B	0RD2701F609	2.7K OHM 1/6 W 5% TA52
R906G	0RD2701F609	2.7K OHM 1/6 W 5% TA52
R906R	0RD2701F609	2.7K OHM 1/6 W 5% TA52
R907B	0RD1203F609	120K OHM 1/6 W 5.00% TA52
R907G	0RD1203F609	120K OHM 1/6 W 5.00% TA52
R907R	0RD1203F609	120K OHM 1/6 W 5.00% TA52
R908	0RD0472F609	47 OHM 1/6 W 5% TA52
R908B	0RD1001F609	1K OHM 1/6 W 5% TA52
R908G	0RD1001F609	1K OHM 1/6 W 5% TA52
R908R	0RD1001F609	1K OHM 1/6 W 5% TA52
R909B	0RS4702K607	47K OHM 2 W 5.00% TA62
R909G	0RS4702K607	47K OHM 2 W 5.00% TA62
R909R	0RS4702K607	47K OHM 2 W 5.00% TA62
R910B	180-C02P	220OHM 1/2 W 5% TA52
R910G	180-C02P	220OHM 1/2 W 5% TA52
R910R	180-C02P	220OHM 1/2 W 5% TA52
R911	0RS3900K607	390 OHM 2 W 5.00% TA62
R911B	0RD1002H609	10K OHM 1/2 W 5.00% TA52
R911G	0RD1002H609	10K OHM 1/2 W 5.00% TA52
R911R	0RD1002H609	10K OHM 1/2 W 5.00% TA52
R912	0RS3300K607	330 OHM 2 W 5.00% TA62
R912B	0RD1004H609	1M OHM 1/2 W 5.00% TA52
R912G	0RD1004H609	1M OHM 1/2 W 5.00% TA52

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CE : Electrolytic

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RN : Metal Film
RF : Fusible

LOCA. NO	PART NO	DESCRIPTION
R912R	0RD1004H609	1M OHM 1/2 W 5.00% TA52
R913B	0RF0470H609	0.47 OHM 1/2 W 5.00% TA52
R913G	0RF0470H609	0.47 OHM 1/2 W 5.00% TA52
R913R	0RF0470H609	0.47 OHM 1/2 W 5.00% TA52
R914B	0RKZVTA001K	0.47M OHM 1/2 W 5% TA52 PILKOR
R914G	0RKZVTA001K	0.47M OHM 1/2 W 5% TA52 PILKOR
R914R	0RKZVTA001K	0.47M OHM 1/2 W 5% TA52 PILKOR
R915B	0RD1003H609	100K OHM 1/2 W 5.00% TA52
R915G	0RD1003H609	100K OHM 1/2 W 5.00% TA52
R915R	0RD1003H609	100K OHM 1/2 W 5.00% TA52
R916B	0RD3900F609	390 OHM 1/6 W 5% TA52
R916G	0RD3900F609	390 OHM 1/6 W 5% TA52
R916R	0RD3900F609	390 OHM 1/6 W 5% TA52
R917G	0RD2402F609	24K OHM 1/6 W 5.00% TA52
R918G	0RD1002F609	10K OHM 1/6 W 5% TA52
R919B	0RD6201F609	6.2K OHM 1/6 W 5.00% TA52
R919G	0RD6201F609	6.2K OHM 1/6 W 5.00% TA52
R919R	0RD6201F609	6.2K OHM 1/6 W 5.00% TA52
R920B	0RD1101F609	1.1K OHM 1/6 W 5.00% TA52
R920G	0RD1101F609	1.1K OHM 1/6 W 5.00% TA52
R920R	0RD1501F609	1.5K OHM 1/6 W 5% TA52
R921B	0RD2001F609	2K OHM 1/6 W 5% TA52
R921G	0RD2001F609	2K OHM 1/6 W 5% TA52
R921R	0RD2001F609	2K OHM 1/6 W 5% TA52
R922B	0RF0470K607	0.47 OHM 2 W 5.00% TA62
R922G	0RF0470K607	0.47 OHM 2 W 5.00% TA62
R922R	0RF0470K607	0.47 OHM 2 W 5.00% TA62
R923B	0RCZVTA002E	4.7K OHM 1/2 W 10% TA52 .
R923G	0RCZVTA002E	4.7K OHM 1/2 W 10% TA52 .
R923R	0RCZVTA002E	4.7K OHM 1/2 W 10% TA52 .
R925B	0RD1002F609	10K OHM 1/6 W 5% TA52
R925G	0RD1002F609	10K OHM 1/6 W 5% TA52
R926B	180-C02P	220OHM 1/2 W 5% TA52
R926G	180-C02P	220OHM 1/2 W 5% TA52
R926R	180-C02P	220OHM 1/2 W 5% TA52
R962	0RD1001F609	1K OHM 1/6 W 5% TA52
R963	0RD2701F609	2.7K OHM 1/6 W 5% TA52
R965	0RD1500F609	150 OHM 1/6 W 5.00% TA52
R966	0RD2202F609	22K OHM 1/6 W 5% TA52
R967	0RD2200F609	220 OHM 1/6 W 5.00% TA52
R968	0RD3900F609	390 OHM 1/6 W 5% TA52
R969	0RD0102F609	10 OHM 1/6 W 5% TA52
R970	0RD0222F609	22 OHM 1/6 W 5.00% TA52
R971	0RD0102F609	10 OHM 1/6 W 5% TA52
R972	0RD0222F609	22 OHM 1/6 W 5.00% TA52
R974	0RD8200F609	820 OHM 1/6 W 5.00% TA52
R975	0RD0102H609	10 OHM 1/2 W 5.00% TA52
R976	0RD1200F609	120 OHM 1/6 W 5.00% TA52
RT1	0RD2201F609	2.2K OHM 1/6 W 5.00% TA52
RT10	0RD1500F609	150 OHM 1/6 W 5.00% TA52
RT11	0RD1001F609	1K OHM 1/6 W 5% TA52
RT12	0RD1001F609	1K OHM 1/6 W 5% TA52

LOCA. NO	PART NO	DESCRIPTION
RT13	0RD1001F609	1K OHM 1/6 W 5% TA52
RT14	0RD1001F609	1K OHM 1/6 W 5% TA52
RT15	0RD1001F609	1K OHM 1/6 W 5% TA52
RT16	0RD1001F609	1K OHM 1/6 W 5% TA52
RT17	0RD1001F609	1K OHM 1/6 W 5% TA52
RT18	0RD1001F609	1K OHM 1/6 W 5% TA52
RT19	0RD1001F609	1K OHM 1/6 W 5% TA52
RT20	0RD1001F609	1K OHM 1/6 W 5% TA52
RT21	0RD1000F609	100 OHM 1/6 W 5% TA52
RT22	0RD1000F609	100 OHM 1/6 W 5% TA52
RT26	0RD2200F609	220 OHM 1/6 W 5.00% TA52
RT27	0RD2200F609	220 OHM 1/6 W 5.00% TA52
RT28	0RD2200F609	220 OHM 1/6 W 5.00% TA52
RT29	0RD2200F609	220 OHM 1/6 W 5.00% TA52
RT3	0RD2200F609	220 OHM 1/6 W 5.00% TA52
RT30	0RD2200F609	220 OHM 1/6 W 5.00% TA52
RT31	0RD2200F609	220 OHM 1/6 W 5.00% TA52
RT32	0RD2200F609	220 OHM 1/6 W 5.00% TA52
RT33	0RD2200F609	220 OHM 1/6 W 5.00% TA52
RT34	0RD2200F609	220 OHM 1/6 W 5.00% TA52
RT36	0RD2200F609	220 OHM 1/6 W 5.00% TA52
RT4	0RD4701F609	4.7K OHM 1/6 W 5% TA52
RT5	0RD1002F609	10K OHM 1/6 W 5% TA52
RT6	0RD1500F609	150 OHM 1/6 W 5.00% TA52
RT7	0RD1500F609	150 OHM 1/6 W 5.00% TA52
RT8	0RD1500F609	150 OHM 1/6 W 5.00% TA52
RT9	0RD1500F609	150 OHM 1/6 W 5.00% TA52
VR401	0RV1103D550	10K OHM 6 AG L3P5, 2.5

SWITCH

SW800	140-289A	SWITCH,PUSHPOWER SDDF3PASP013 LG C&D
SWT1	140-313B	SWITCH,TACT 2LEAD 160G(TA) LG C&D NON
SWT2	140-313B	SWITCH,TACT 2LEAD 160G(TA) LG C&D NON
SWT3	140-313B	SWITCH,TACT 2LEAD 160G(TA) LG C&D NON
SWT4	140-313B	SWITCH,TACT 2LEAD 160G(TA) LG C&D NON
SWT5	140-313B	SWITCH,TACT 2LEAD 160G(TA) LG C&D NON
SWT6	140-313B	SWITCH,TACT 2LEAD 160G(TA) LG C&D NON
SWT7	140-313B	SWITCH,TACT 2LEAD 160G(TA) LG C&D NON
SWT8	140-313B	SWITCH,TACT 2LEAD 160G(TA) LG C&D NON

FILTER & CRYSTAL

F001	125-022K	FILTER(CIRC),EMC FERRITE 1UH TAPING
F002	6210VC0005A	FILTER(CIRC),EMC 2X1.25X0.85MM R/TP
F003	6210VC0005A	FILTER(CIRC),EMC 2X1.25X0.85MM R/TP
F101	166-C06B	FILTER(CIRC), MURATA 41.4MHZ .
F201	6210TCE001G	FILTER(CIRC),EMC HH1M3216501 3216MM R/TP
F202	6210TCE001G	FILTER(CIRC),EMC HH1M3216501 3216MM R/TP
F203	6210TCE001G	FILTER(CIRC),EMC HH1M3216501 3216MM R/TP
F204	6210TCE001G	FILTER(CIRC),EMC HH1M3216501 3216MM R/TP
F205	6210TCE001G	FILTER(CIRC),EMC HH1M3216501 3216MM R/TP
F206	6210TCE001G	FILTER(CIRC),EMC HH1M3216501 3216MM R/TP
F207	6210TCE001G	FILTER(CIRC),EMC HH1M3216501 3216MM R/TP

LOCA. NO	PART NO	DESCRIPTION
F208	6210TCE001G	FILTER(CIRC),EMC HH1M3216501 3216MM R/TP
F209	6210TCE001G	FILTER(CIRC),EMC HH1M3216501 3216MM R/TP
F210	6210TCE001G	FILTER(CIRC),EMC HH1M3216501 3216MM R/TP
F211	6210TCE001G	FILTER(CIRC),EMC HH1M3216501 3216MM R/TP
F212	6210TCE001G	FILTER(CIRC),EMC HH1M3216501 3216MM R/TP
F501	166-F01G	FILTER(CIRC),EMC MURATA 100VOLT 6A .
F702	166-F01G	FILTER(CIRC),EMC MURATA 100VOLT 6A .
F703	166-F01G	FILTER(CIRC),EMC MURATA 100VOLT 6A .
F704	166-F01G	FILTER(CIRC),EMC MURATA 100VOLT 6A .
FB2000	125-022K	FILTER(CIRC),EMC FERRITE 1UH TAPING
FB2001	125-022K	FILTER(CIRC),EMC FERRITE 1UH TAPING
FB2002	125-022K	FILTER(CIRC),EMC FERRITE 1UH TAPING
FB2003	125-022K	FILTER(CIRC),EMC FERRITE 1UH TAPING
FB2004	125-022K	FILTER(CIRC),EMC FERRITE 1UH TAPING
FB2005	125-022K	FILTER(CIRC),EMC FERRITE 1UH TAPING
FB2006	125-022K	FILTER(CIRC),EMC FERRITE 1UH TAPING
FB2007	125-022K	FILTER(CIRC),EMC FERRITE 1UH TAPING
FB2008	125-022K	FILTER(CIRC),EMC FERRITE 1UH TAPING
FB2009	125-022K	FILTER(CIRC),EMC FERRITE 1UH TAPING
FB2010	125-022K	FILTER(CIRC),EMC FERRITE 1UH TAPING
FB2011	125-022K	FILTER(CIRC),EMC FERRITE 1UH TAPING
FB404	125-022K	FILTER(CIRC),EMC FERRITE 1UH TAPING
FB801	125-022K	FILTER(CIRC),EMC FERRITE 1UH TAPING
FB802	125-022K	FILTER(CIRC),EMC FERRITE 1UH TAPING
FB803	125-022K	FILTER(CIRC),EMC FERRITE 1UH TAPING
FB809	125-022K	FILTER(CIRC),EMC FERRITE 1UH TAPING
FB810	125-022K	FILTER(CIRC),EMC FERRITE 1UH TAPING
FB811	125-022K	FILTER(CIRC),EMC FERRITE 1UH TAPING
FB812	125-022K	FILTER(CIRC),EMC FERRITE 1UH TAPING
FB813	125-123A	FILTER(CIRC),EMC FERRITE BFD3565R2F
FB814	125-123A	FILTER(CIRC),EMC FERRITE BFD3565R2F
FB815	125-022K	FILTER(CIRC),EMC FERRITE 1UH TAPING
FB816	125-022K	FILTER(CIRC),EMC FERRITE 1UH TAPING
FB818	125-022K	FILTER(CIRC),EMC FERRITE 1UH TAPING
FB901B	125-123A	FILTER(CIRC),EMC FERRITE BFD3565R2F
FB901G	125-123A	FILTER(CIRC),EMC FERRITE BFD3565R2F
FB901R	125-123A	FILTER(CIRC),EMC FERRITE BFD3565R2F
FB905B	125-123A	FILTER(CIRC),EMC FERRITE BFD3565R2F
FB905G	125-123A	FILTER(CIRC),EMC FERRITE BFD3565R2F
FB905R	125-123A	FILTER(CIRC),EMC FERRITE BFD3565R2F
FB931	125-022K	FILTER(CIRC),EMC FERRITE 1UH TAPING
FB932	125-022K	FILTER(CIRC),EMC FERRITE 1UH TAPING
FB933	125-022K	FILTER(CIRC),EMC FERRITE 1UH TAPING
FB934	125-022K	FILTER(CIRC),EMC FERRITE 1UH TAPING
FB961	125-022K	FILTER(CIRC),EMC FERRITE 1UH TAPING
FB962	125-022K	FILTER(CIRC),EMC FERRITE 1UH TAPING
L2001	6210TCT002B	FILTER(CIRC),EMC ACB2012M300T TDK , CHIP
L2002	6210TCT002B	FILTER(CIRC),EMC ACB2012M300T TDK , CHIP
L2003	6210TCT002B	FILTER(CIRC),EMC ACB2012M300T TDK , CHIP
L2004	6210TCT002B	FILTER(CIRC),EMC ACB2012M300T TDK , CHIP
L2005	6210TCT002B	FILTER(CIRC),EMC ACB2012M300T TDK , CHIP
L2006	6210TCT002B	FILTER(CIRC),EMC ACB2012M300T TDK , CHIP

LOCA. NO	PART NO	DESCRIPTION
L2007	6210TCT002B	FILTER(CIRC),EMC ACB2012M300T TDK , CHIP
L2008	6210TCT002B	FILTER(CIRC),EMC ACB2012M300T TDK , CHIP
L2009	6210TCT002B	FILTER(CIRC),EMC ACB2012M300T TDK , CHIP
L2011	6210TCT002B	FILTER(CIRC),EMC ACB2012M300T TDK , CHIP
L2012	6210TCT002B	FILTER(CIRC),EMC ACB2012M300T TDK , CHIP
L2013	6210TCT002B	FILTER(CIRC),EMC ACB2012M300T TDK , CHIP
L2014	6210TCT002B	FILTER(CIRC),EMC ACB2012M300T TDK , CHIP
L2018	6210TCT002B	FILTER(CIRC),EMC ACB2012M300T TDK , CHIP
L2021	6210TCT002B	FILTER(CIRC),EMC ACB2012M300T TDK , CHIP
L2027	125-022K	FILTER(CIRC),EMC FERRITE 1UH TAPING
L2028	6210TCT002B	FILTER(CIRC),EMC ACB2012M300T TDK , CHIP
L2030	6210TCT002B	FILTER(CIRC),EMC ACB2012M300T TDK , CHIP
L217	125-022K	FILTER(CIRC),EMC FERRITE 1UH TAPING
L218	125-022K	FILTER(CIRC),EMC FERRITE 1UH TAPING
L219	125-022K	FILTER(CIRC),EMC FERRITE 1UH TAPING
L501	6210TCE001G	FILTER(CIRC),EMC HH1M3216501 3216MM R/TP
L503	125-022K	FILTER(CIRC),EMC FERRITE 1UH TAPING
L505	6210TCE001G	FILTER(CIRC),EMC HH1M3216501 3216MM R/TP
L506	6210TCE001G	FILTER(CIRC),EMC HH1M3216501 3216MM R/TP
L507	6210TCE001G	FILTER(CIRC),EMC HH1M3216501 3216MM R/TP
L508	6210TCE001G	FILTER(CIRC),EMC HH1M3216501 3216MM R/TP
L509	6210VC0005A	FILTER(CIRC),EMC 2X1.25X0.85MM R/TP
L510	6210VC0005A	FILTER(CIRC),EMC 2X1.25X0.85MM R/TP
L511	6210VC0005A	FILTER(CIRC),EMC 2X1.25X0.85MM R/TP
L512	6210TCE001G	FILTER(CIRC),EMC HH1M3216501 3216MM R/TP
L513	6210VC0005A	FILTER(CIRC),EMC 2X1.25X0.85MM R/TP
L514	6210VC0005A	FILTER(CIRC),EMC 2X1.25X0.85MM R/TP
L515	6210VC0005A	FILTER(CIRC),EMC 2X1.25X0.85MM R/TP
L706	6210TCE001G	FILTER(CIRC),EMC HH1M3216501 3216MM R/TP
L710	6210TCE001G	FILTER(CIRC),EMC HH1M3216501 3216MM R/TP
L711	6210TCE001G	FILTER(CIRC),EMC HH1M3216501 3216MM R/TP
L712	6210TCE001G	FILTER(CIRC),EMC HH1M3216501 3216MM R/TP
L713	6210TCE001G	FILTER(CIRC),EMC HH1M3216501 3216MM R/TP
L714	6210TCE001G	FILTER(CIRC),EMC HH1M3216501 3216MM R/TP
L801	150-F06Z	FILTER(CIRC),EMC SQE3535 10MH 0.85PHY
L803	150-F06Z	FILTER(CIRC),EMC SQE3535 10MH 0.85PHY
L804	150-F06Z	FILTER(CIRC),EMC SQE3535 10MH 0.85PHY
X001	156-A01L	RESONATOR,CRYSTAL 6.000MHZ 30PPM 16PF BK
X201	156-A02M	RESONATOR,CRYSTAL 18.432MHZ 30PPM 10PF
X2801	156-A02Z	RESONATOR,CRYSTAL 20.000MHZ 30PPM 16PF
X501	6202VDB007B	RESONATOR,CRYSTAL 20.250MHZ 30PPM 13PF
X702	166-E02E	RESONATOR,CRYSTAL MURATA 500KHZ BK .
Z103	166-F01G	FILTER(CIRC),EMC MURATA 100VOLT 6A .
Z106	166-F01G	FILTER(CIRC),EMC MURATA 100VOLT 6A .
Z117	166-F01G	FILTER(CIRC),EMC MURATA 100VOLT 6A .
Z129	166-F01G	FILTER(CIRC),EMC MURATA 100VOLT 6A .
Z142	166-F01G	FILTER(CIRC),EMC MURATA 100VOLT 6A .

SPARK

SG401	6918VAX002B	SPARK GAP, 1000V 30% 5MM AXIAL TP
SG402	6918VAX002B	SPARK GAP, 1000V 30% 5MM AXIAL TP
SG901B	6918VAX002D	SPARK GAP, 300V 20% AXIAL TYPE 5MM

The components identified by mark ⚠ are critical for safety.
Replace only with part number specified.

LOCA. NO	PART NO	DESCRIPTION
SG901G	6918VAX002D	SPARK GAP, 300V 20% AXIAL TYPE 5MM
SG901R	6918VAX002D	SPARK GAP, 300V 20% AXIAL TYPE 5MM
SG902B	6918VAX002B	SPARK GAP, 1000V 30% 5MM AXIAL TP
SG902G	6918VAX002B	SPARK GAP, 1000V 30% 5MM AXIAL TP
SG902R	6918VAX002B	SPARK GAP, 1000V 30% 5MM AXIAL TP
SG903B	6918VAX002D	SPARK GAP, 300V 20% AXIAL TYPE 5MM
SG903G	6918VAX002D	SPARK GAP, 300V 20% AXIAL TYPE 5MM
SG903R	6918VAX002D	SPARK GAP, 300V 20% AXIAL TYPE 5MM
ACCESSORIES		
A1	3828VA0382B	MANUAL,OWNERS DG LG GE/FR NE/EN 089B TX
A1	3828VA0382D	MANUAL,OWNERS UK/WTY LG EN 089B TX 026F
A1	3828VA0382G	MANUAL,OWNERS ES LG SP/PO 089B TX
A1	3828VA0382K	MANUAL,OWNERS SW LG DA/SW/NO/FI 089B TX
A1	3828VA0382L	MANUAL,OWNERS MK/REG/SPEC LG HU
A1	3828VA0382M	MANUAL,OWNERS PL/SPEC LG PL/EN
A2	6710V00089B	REMOTE CONTROLLER,MP015D TXT 47KEY
A5	3890V01415X	BOX,39NZ40 BOTTOM ETC DWR2 .
A6	3890V01774D	BOX, 39 DWR2 10704951210
MISCELLANEOUS		
A-JACK201	6612VJV005A	JACK,RCAPPJ118A A/V 4P MONO WH2/RD2
⚠ F801	0FS5001B51D	FUSE,SLOW BLOW5000MA 250 V 5.2X20 CY/GL
IC901	4921V00172B	HEAT SINK ASSEMBLY 4920V00010Q STK396130
JA1201	6613V00004D	JACK ASSYSVHS+3P
PA01P	6726VH0001A	R/C RECEIVER ,TSOP1238RF1 TEMIC 38KHZ .
Q419	6030V00003A	SCR,SGSTHOMSON P0102BA 200V 0.8A TO92
Q429	6030V00003A	SCR,SGSTHOMSON P0102BA 200V 0.8A TO92
⚠ RL802	6920VB1001E	RELAY, OEG 5V 0.05A 250V 5A 100 OHM 1A
SCART201	6612VMV001A	JACK,RGB21PIN PITCH=3.81 FOR PAL PJT
SCART202	6612VMV001A	JACK, RGB21PIN PITCH=3.81 FOR PAL PJT
SCART203	6612VMV001A	JACK, RGB21PIN PITCH=3.81 FOR PAL PJT
SK901B	381-226L	SOCKET (CIRC), 100K OHM 9PIN 14/360
SK901G	381-226L	SOCKET (CIRC), 100K OHM 9PIN 14/360
SK901R	381-226L	SOCKET (CIRC), 100K OHM 9PIN 14/360
T403	6174Z-6400B	FBT ,FTMPNB1T6400B . (CHOI BYEONG IK)
TH801	163-048D	THERMISTOR,KL15L2R5 SSANSHIN +/ 15% 125V
TH802	163-048D	THERMISTOR,KL15L2R5 SSANSHIN +/ 15% 125V
TU101	6700VPF012A	TUNER,TAUC-M130D LTD PAL DIN 38.9MHZ 3S
TU101	6700VPF013A	TUNER,TAUL-S121D LTD PAL DIN 38.9MHZ B/G+L
TU102	6700VPF012B	TUNER,TAFCM130P LTD PAL PHONO 38.9MHZ
TU102	6700VPF013B	TUNER,TAFL-S121P LTD PAL PHONO 38.9MHZ
⚠ VA801	164-003K	VARISTOR,SVC621D14A ILJIN 620V 0%
⚠ VA802	164-003K	VARISTORSVC621D14A ILJIN 620V 0%
V-JACK201	6612VJV004A	JACK, A/V 6P MONO GN2/BL2/RD2

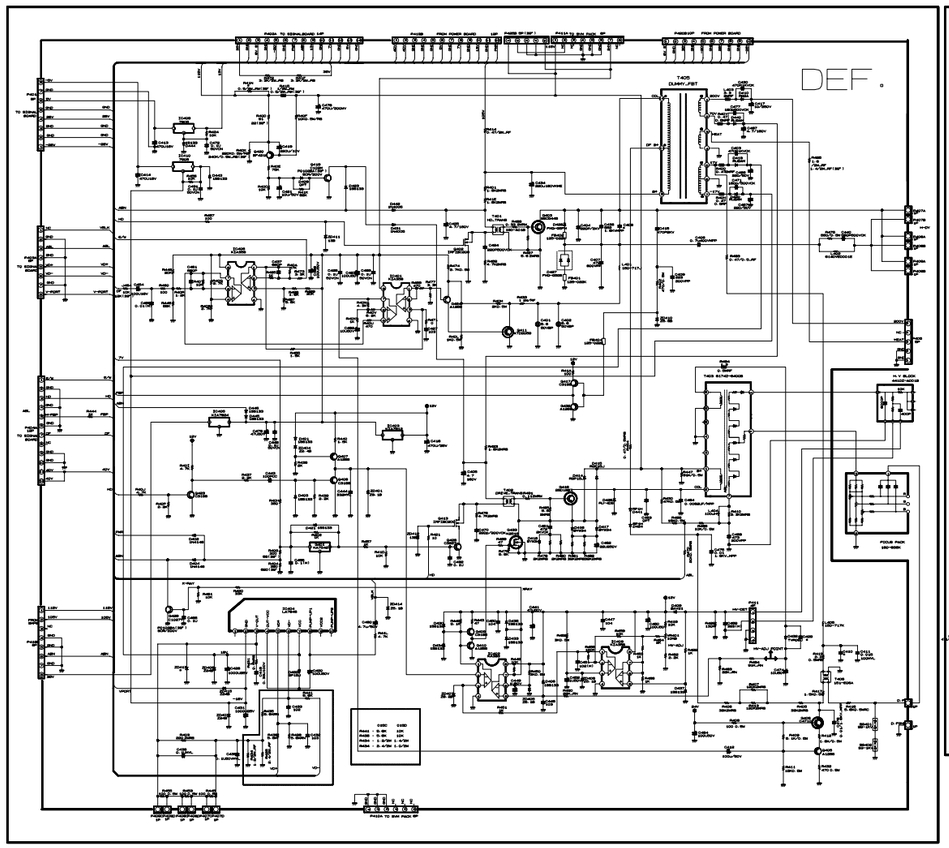
LOCA. NO	PART NO	DESCRIPTION

EXPLODED VIEW PARTS LIST

The components identified by mark ⚠ are critical for safety.
Replace only with part number specified.

No.	Part No.	Description
105	3680V00031A	LENS, SEKINOS SSM-65 . .
107	4810V00833A	BRACKET, PRT ASSY R LENS+COUPLER+CPT
108	4810V00833B	BRACKET, PRT ASSY G LENS+COUPLER+CPT
109	4810V00833C	BRACKET, PRT ASSY B LENS+COUPLER+CPT
120	120-D38E	SPEAKER,MID-RANGE LG FOSTER 8 OHM 15/25W 87DB 12
121	4810V00697A	BRACKET,SPEAKER RN-39NZ40 SP02PA HIPS 51SF .
153	6150Z-1100B	DY(DEFLECTION YOKE),DY 38 KHZ 07 LGPD PRT
⚠ 174	6410VBH007B	POWER CORD, MP5005SC(13A) BSI 2400MM HOUSING(L1 400MM)
300	3091V00469D	CABINET ASSEMBLY, RE-39NZ40RB.ABMLKX NON MP03AB .
301	3091V00470B	CABINET ASSEMBLY, RT-39NZ40RB NON MP015D .
302	3211V00100D	FRAME ASSEMBLY, FRONT LOWER RE-39NZ40RB LG
303	4778V00079A	LEG,ROLLER CASTER RN-39NZ40 NON .
304	3350V00026A	SCREEN DNP - R3 39(W) CONTRAST UP
305	3790V00717A	WINDOW,FILTER DIATECH ACRYL R3_39(W) GLARE(CLEAR)
310	5020V00739A	BUTTON,CONTROL RN-39NZ40 ABS, HF-380 4KEY .
313	4810V00696A	BRACKET,CONTROL RN-39NZ40 SP02PA HIPS 51SF .
330	5020V00758A	BUTTON,POWER ASSY ABS, HF-380 NON RN-56NZ30H
340	6871VSMA42J	PWB(PCB) ASSEMBLY,SUB PSW MP015D M/I,RT-39NZ40
350	6871VSMV55A	PWB(PCB) ASSEMBLY,SUB CONT MP015D 39NZ40
410	3809V00318B	BACK COVER ASSEMBLY,RE-39NZ40RB NON .
420	3809V00319A	BACK COVER ASSEMBLY,LOWER,RN-39NZ40H NON
430	5018V00050B	MIRROR,PROJECTION AHSUNG MIRROR R3 39 WIDE PLASTIC
501	4810V00221G	BRACKET, MAIN PN-43A8 NP00PA HIPS-40AF .
503	4810V00831A	BRACKET, AV RT-39NZ40RB MP015D NON .
510	6871VSM998D	PWB(PCB) ASSEMBLY,SUB CPT MP015D 39NZ40,VENUS
520	6871VMN656D	PWB(PCB) ASSEMBLY,MAIN (015D) RE39NZ40RB
530	6871VDM901A	PWB(PCB) ASSEMBLY,DEFLECTION MAIN2 MP-015D M/I,RT-39NZ40
540	6871VSMN05E	PWB(PCB) ASSEMBLY,SUB CVG MP015D 39 CVG-OUT
550	6871VSM964C	PWB(PCB) ASSEMBLY,MAIN SUB MP015C 100HZ,W/O DF
560	6871VSMQ18A	PWB(PCB) ASSEMBLY,SUB A/V MP015D RE56NZ21RB
570	6871VSMN85D	PWB(PCB) ASSEMBLY,SUB MP015D MICOM,M/I,RT-39NZ40
580	6871VSMV53A	PWB(PCB) ASSEMBLY,SUB VM MP015D M/I,RT-39NZ40
590	6871VSMN06E	PWB(PCB) ASSEMBLY,SUB CVG MP015D 39 D-CON
600	6871VPMA04F	PWB(PCB) ASSEMBLY,POWER SMPS MP015D NARROW HARMONICS
610	6871VSMN84J	PWB(PCB) ASSEMBLY,SUB A/V MP015D SIDE AV,M/I,RT-39NZ40
620	6871VSMN83G	PWB(PCB) ASSEMBLY,SUB P/AMP MP015D M/I,RT-39NZ40
630	6871VSMA53D	PWB(PCB) ASSEMBLY,SUB CVG MP015D M/I,INTERFACE(44NZ21RP)
650	6871VSMU27B	PWB(PCB) ASSEMBLY,SUB CVG SP02PC RIGHT SENSOR ASSY
660	6871VSMU27A	PWB(PCB) ASSEMBLY,SUB CVG SP02PC LEFT SENSOR ASSY
670	6871VSMU27C	PWB(PCB) ASSEMBLY,SUB CVG SP02PC TOP SENSOR ASSY
680	6871VSMU27D	PWB(PCB) ASSEMBLY,SUB CVG SP02PC BOTTOM SENSOR ASSY
690	6871VSM974J	PWB(PCB) ASSEMBLY,SUB SUB MP015D 39 HARMONICS
710	6871VSMQ09D	PWB(PCB) ASSEMBLY,SUB INTER MP015D CONTROL,M/I,RT-39NZ40
800	4410Z-A001F	FBT (FLY BACK TRANSFORMER) MP015A HVF30-1111A A001A,C
810	180-836K	FOCUS PACK,W18-601-02 YINYANG 180-836H

DEF.



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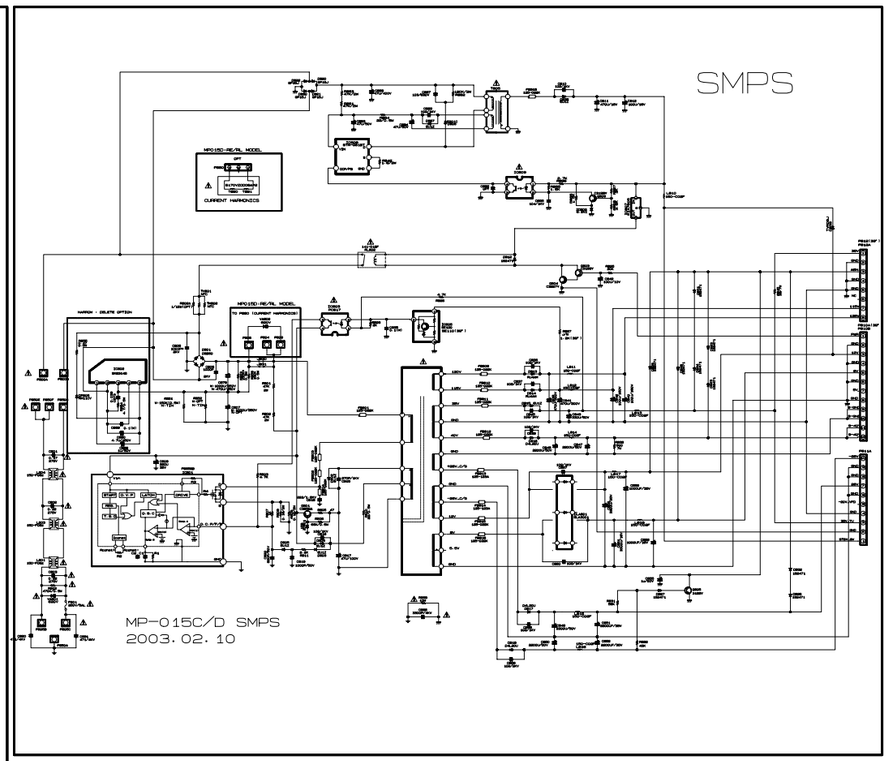

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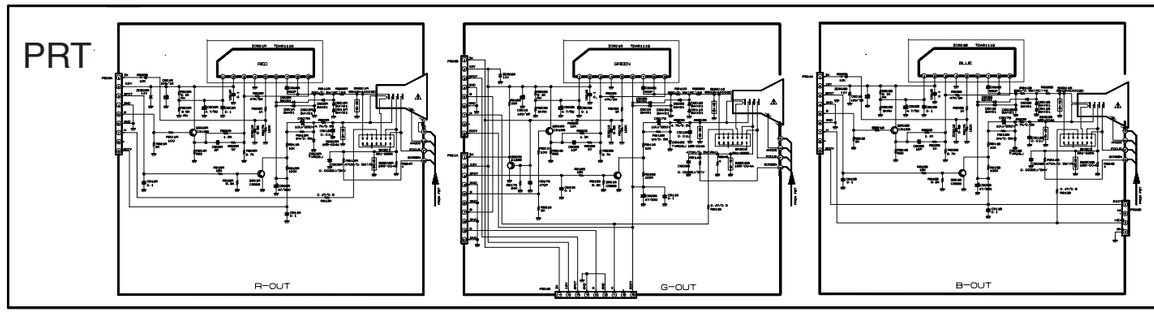
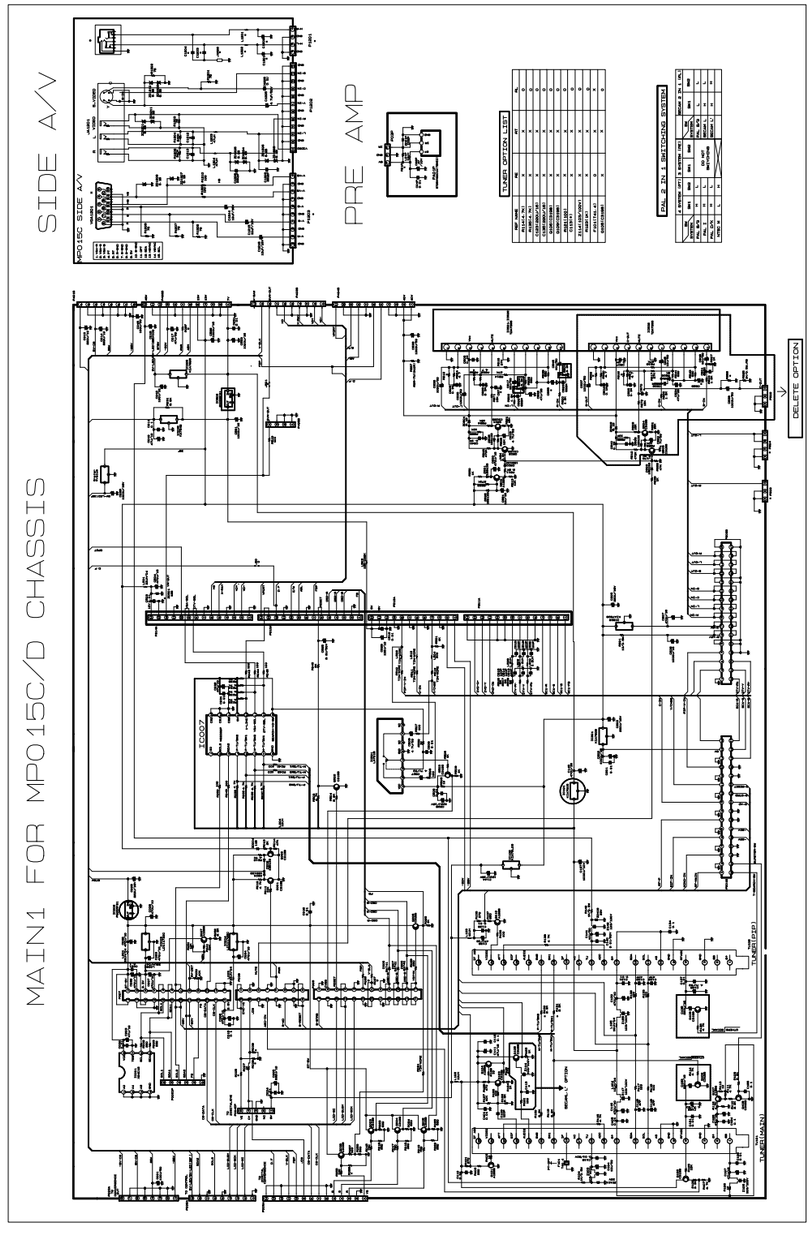
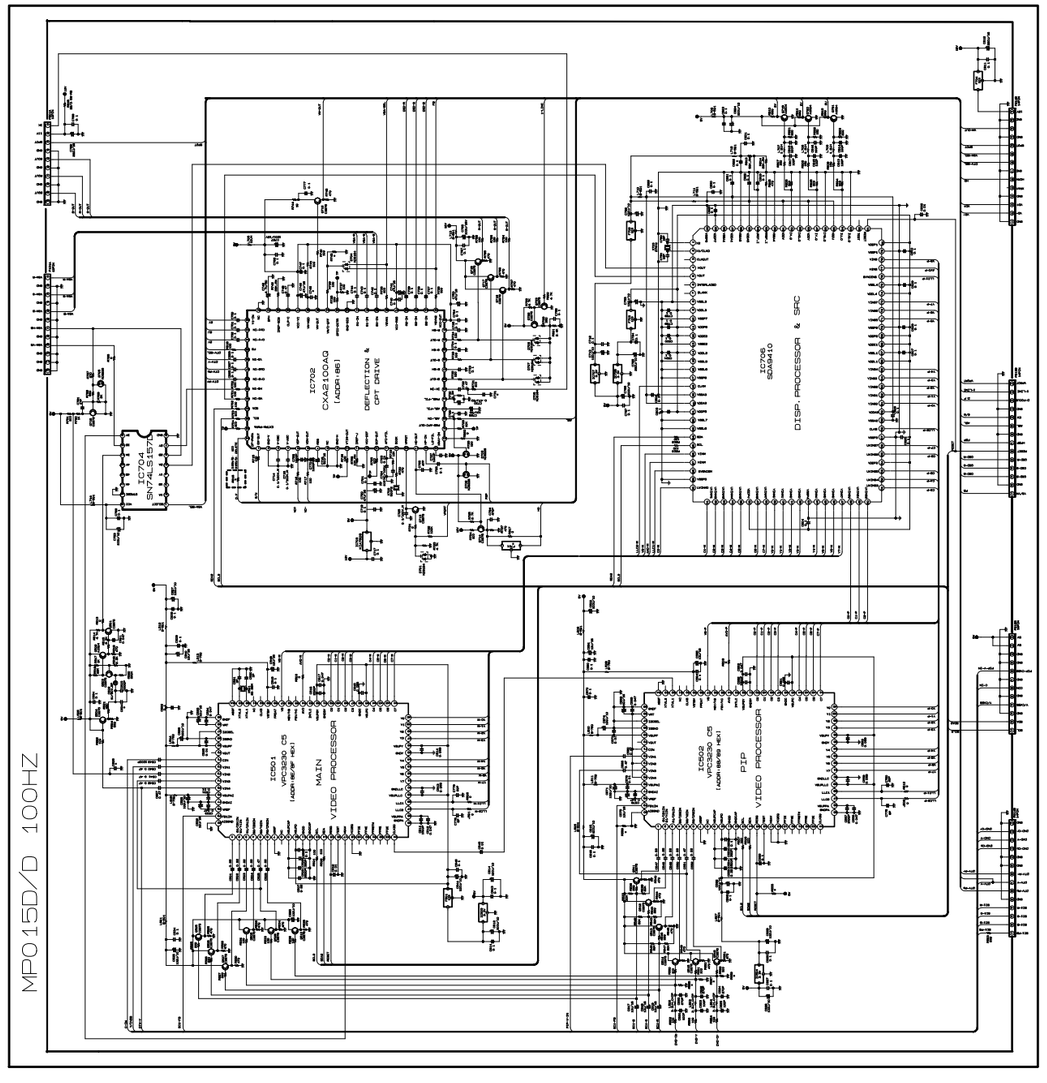


P/NO:3854VA0094D-S1(1/2)
2003.03.13





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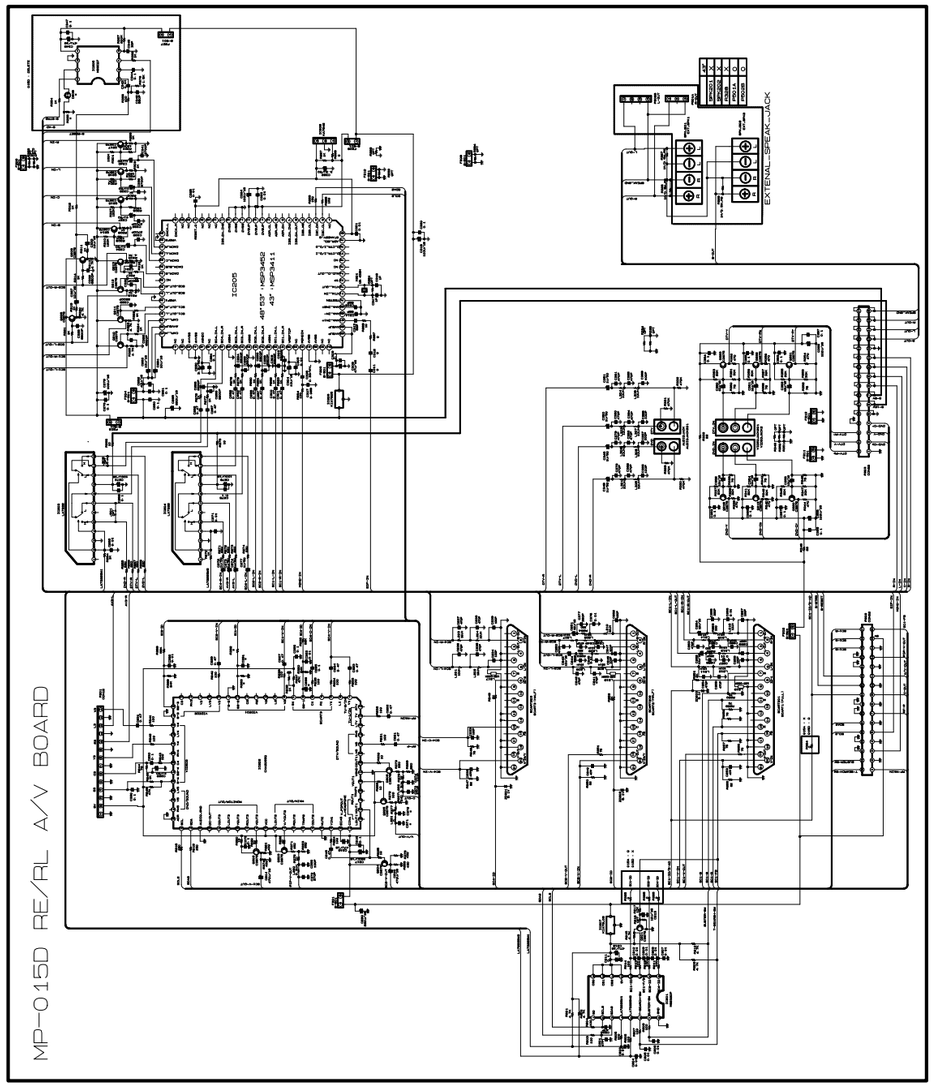

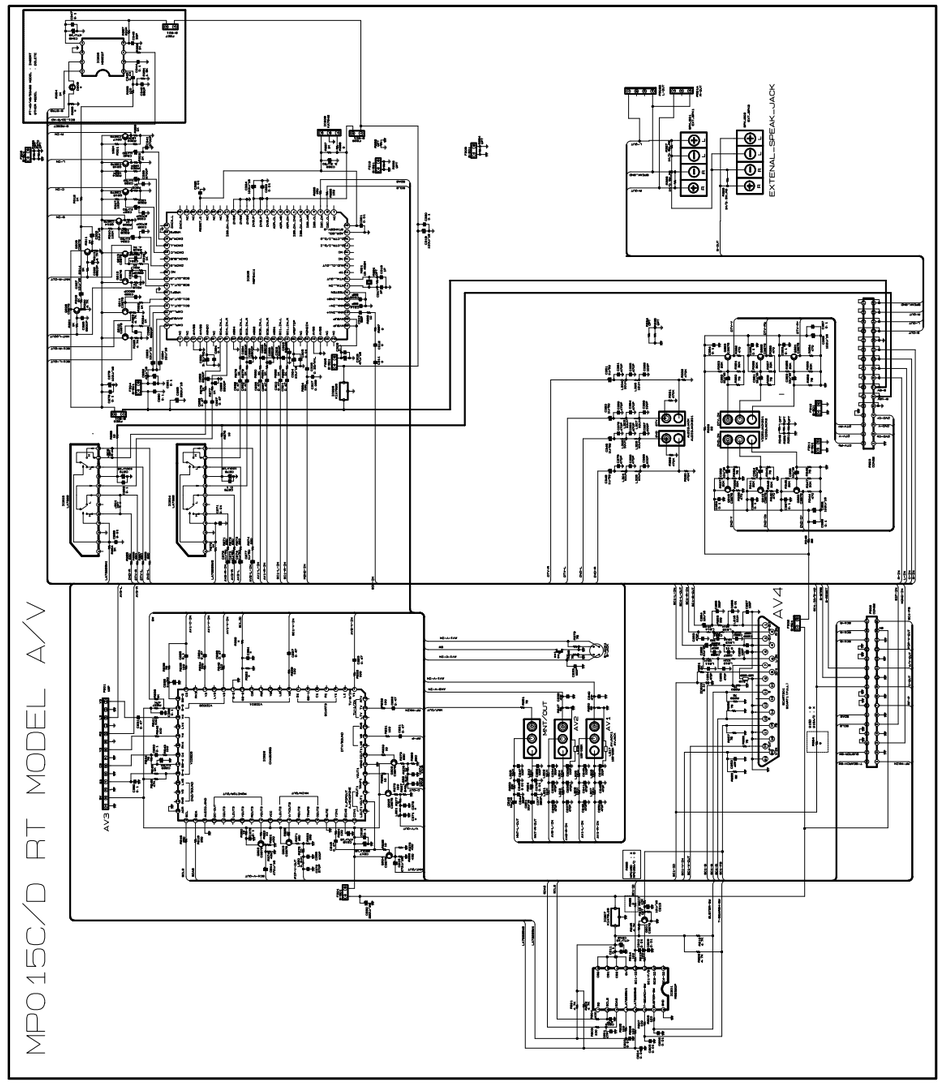

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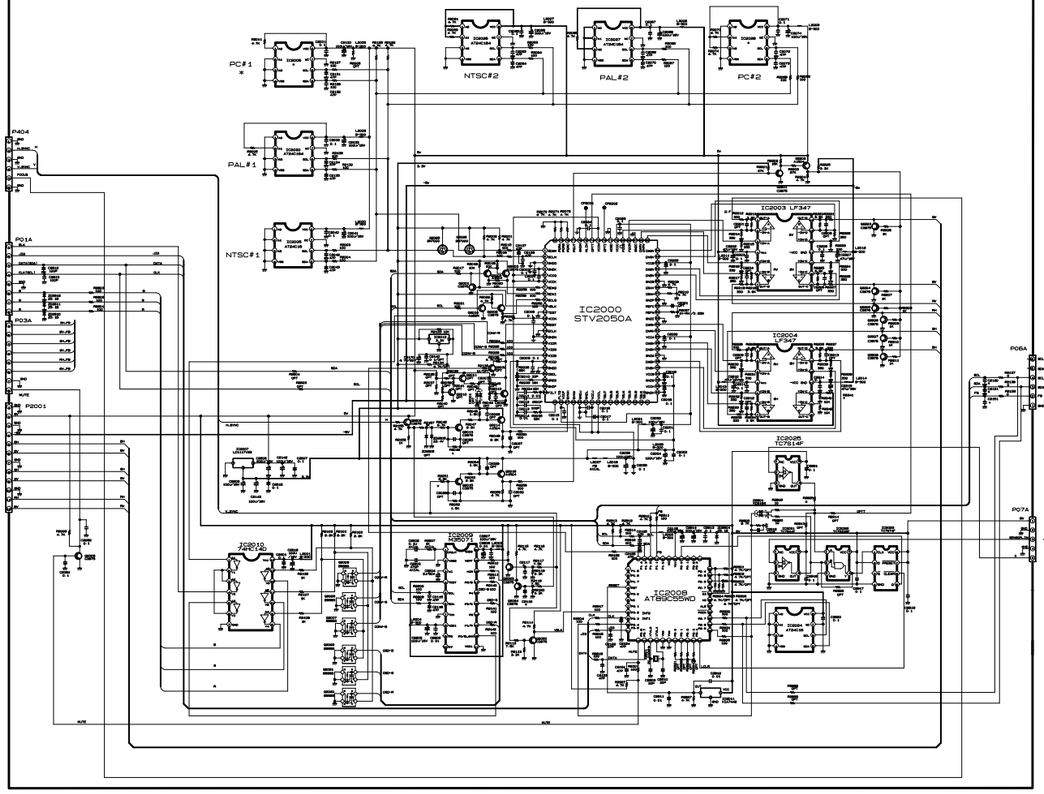
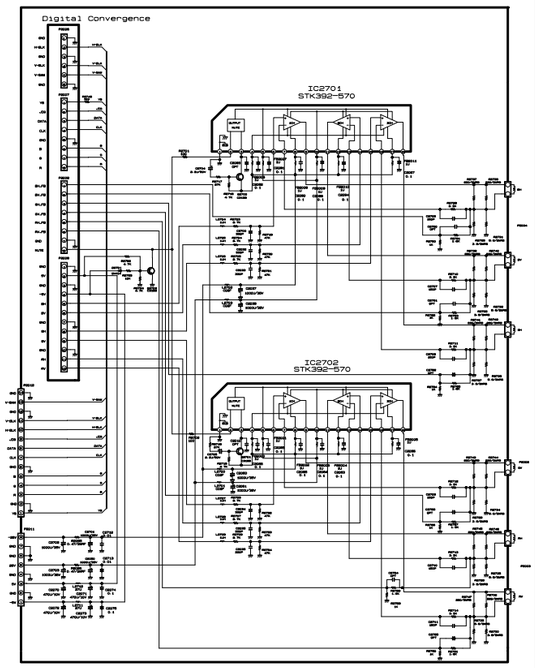
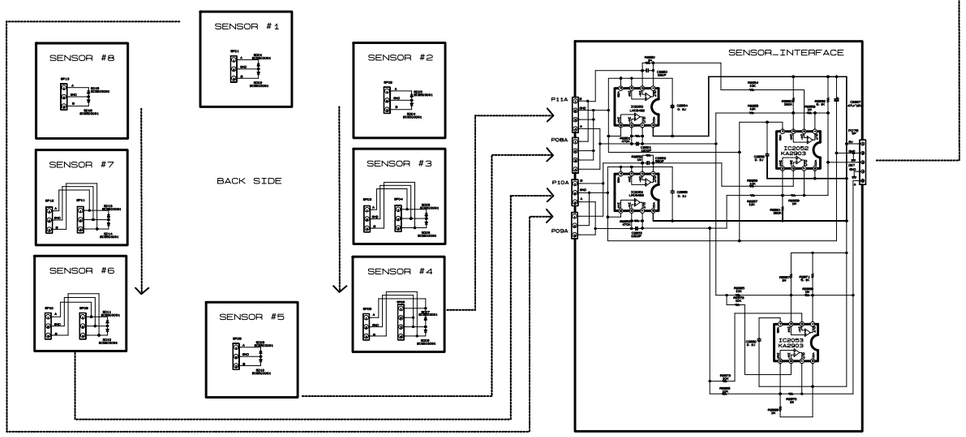
2003.03.13

MP-015D DIGITAL CONVERGENCE

MP015D CONVERGENCE OUT







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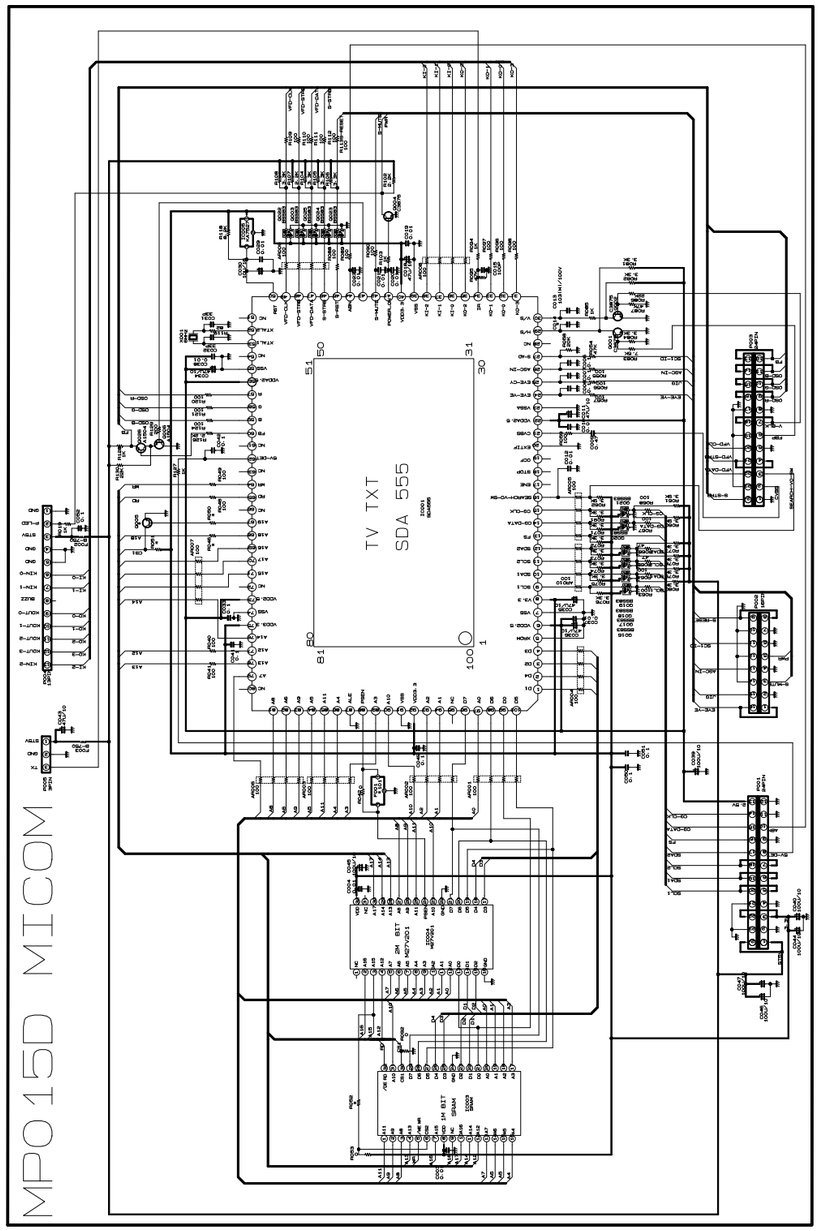
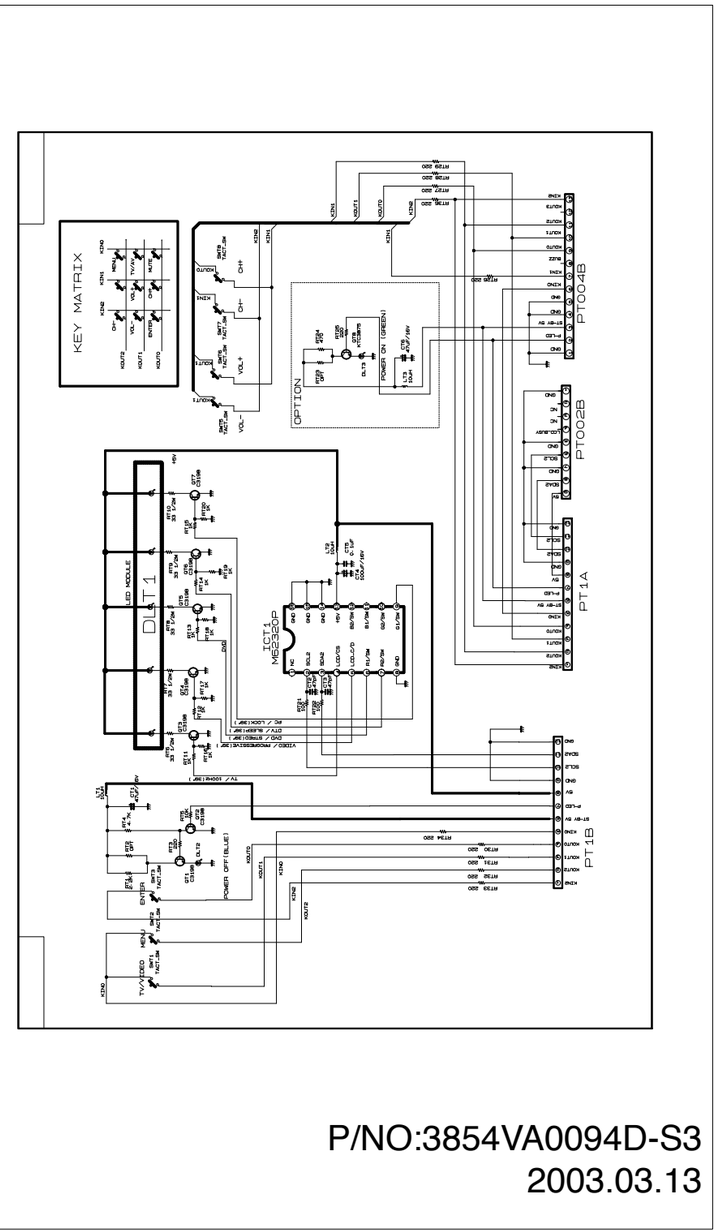
2003.03.13





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2003.03.13

SVC. SHEET : 3854VA0094D-S1
3854VA0094D-S2
3854VA0094D-S3